

MEMORANDUM.

THE following summary of results has been deduced from the annexed table exhibiting the vital statistics of the principal Municipalities in Bengal for the week ending 11th December 1886 :—

1. That the birth-rate of these Municipalities stood at 26·8 per 1,000 of population, against the same rate in the preceding week ending 4th December, and the death-rate at 44·7 per 1,000 as opposed to 46·2 per 1,000, indicating a falling off in the registration of the events.

2. That births and deaths were returned at the highest rates from the following Municipalities :—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Naraingunge	...	70·4	Naraingunge	...	111·8
Durbhanga	...	58·2	Serampore	...	92·2
Serampore	...	51·0	Ranaghat	...	71·9
Monghyr	...	46·1	Suburbs of Calcutta	...	70·9
Beauleah	...	44·6	Hughli	...	64·5
Comillah	...	42·3	Bhagulpore	...	61·5
Hughli	...	40·3	Bali	...	56·1
Utterpara	...	37·8	Purneah	...	55·4
Gya	...	34·8	Beauleah	...	55·2
			Kishnaghur	...	47·3
			Dacca	...	42·2
			Gya	...	39·7
			Patna	...	38·6
			Comillah	...	38·5
			Monghyr	...	38·0
			Mozufferpore	...	37·7
			Bardwan	...	36·6
			Midnapore	...	35·6
			Santipore	...	35·1
			Puri	...	33·6

3. That the mortality from the principal diseases contrasted with the mortality from the same causes in the preceding week stands as follows :—

			Ratio per mille during the weeks ending—	
			11th December 1886.	4th December 1886.
Cholera	...	...	11·7	12·9
Small-pox	...	...	·03	...
Fever	...	...	16·6	16·5
Bowel-complaints	...	...	6·3	6·7
Injury	...	...	·3	·1
Other causes	...	...	9·7	10·0

indicating, chiefly, that the severity of cholera had on the whole declined markedly.

4. That while only one town (Purneah) exhibited fatal results from small-pox, and that not to a noticeable extent, and injury shewed no conspicuous fatality anywhere, the under-mentioned Municipalities returned the highest death-rates from cholera, fever, bowel-complaints and the maladies classed under the head of "Other causes" :—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Naraingunge	70·4	Beauleah	42·0	Serampore	19·6	Naraingunge	24·8
Ranaghat	47·0	Hughli	38·9	Purneah	17·3	Serampore	23·5
Bali	35·1	Comillah	30·8	Suburbs of Calcutta	13·2	Gya	22·5
Bhagulpore	24·4	Serampore	29·5	Puri	12·6	Kishnaghur	15·1
Santipore	22·8	Purneah	27·7			Suburbs of Calcutta	14·9
Suburbs of Calcutta	21·1	Burdwan	25·9			Bhagulpore	11·8
Hughli	20·1	Ranaghat	24·0			Dacca	10·4
Serampore	19·6	Monghyr	23·5				
Kishnaghur	18·2	Midnapore	23·2				
Dacca	18·0	Suburbs of Calcutta	21·5				
Patna	11·3						
Mozufferpore	7·8						
Howrah	5·7						
Durbhanga	5·5						

It is observable that cholera prevailed with marked severity in the Naraingunge, Ranaghat and Bali towns, and fever in the Beauleah and Hughli towns.

5. That the death-rates in relation to Sex, Class and Age, stood as noted below :—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	45·0	Christians	45·2	Under 1 year	245·2
Females	44·3	Hindus	44·4	1 and under 5 years	68·7
Ratio of male deaths to every 100 female deaths	115	Mahomedans	45·1	5 " " 10 "	26·6
				10 " " 15 "	14·0
				15 " " 20 "	31·9
				20 " " 30 "	32·2
				30 " " 40 "	33·4
				40 " " 50 "	37·0
				50 " " 60 "	52·4
				60 years and upwards	105·9

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 3rd January 1887.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 11th December 1886.

DISTRICTS.		NAMES OF MUNICIPALITIES.		POPULATION.			BIRTHS.			MORTALITY ACCORDING TO—										Sex.			
				NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.			RATIO PER 1,000 OF POPULATION PER ANNUM.										Ratio of male deaths to every 100 female deaths.			
				Males.		Females.		Total.		Males.		Females.		Total.		Males.		Females.		Ratio of deaths per 1,000 of population per annum in the previous week.		Ratio of male deaths to every 100 female deaths.	
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				Males.		Females.		Total.		Males.		Females.		Total.		Males.		Females.		Ratio of deaths per 1,000 of population per annum in the previous week.		Ratio of male deaths to every 100 female deaths.	
				Males.		Females.		Total.		Males.		Females.		Total.		Males.		Females.		Ratio of deaths per 1,000 of population per annum in the previous week.		Ratio of male deaths to every 100 female deaths.	
				Males.		Females.		Total.		Males.		Females.		Total.									

The portion of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of deaths in the above table, except 1,466, the ratios under which have been omitted, inasmuch as

MORTALITY ACCORDING TO—

DISTRICTS.	NAMES OF MUNICIPAL- PALITIES.	DEATHS AMONG—				DEATHS.										RATIOS PER 1,000 OF POPU- LATION PER ANNUM.										AGE.										RATIO PER 1,000 OF POPULATION PER ANNUM.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up-wards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up-wards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Burdwan	Burdwan	9	15	19.8	76.0

OFFICE OF SANITARY COMMISSIONER FOR BENGAL.
The 3rd January 1887.R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 1st January 1887, compared with the corresponding week of the previous year.

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 1ST JANUARY 1887.			WEEK ENDING SATURDAY, THE 2ND JANUARY 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	1 717	1,85 335	3 043	1,558	2,20,400	3,648
Jute ...	191	1,23,200	2,164	144	89,255	1,423
Firewood ...	98	42,875	721	117	58,825	687
Other articles ...	1,285	2,83,035	4,656	1,180	2,23,621	3,702
Total ...	3,291	6,34,445	10,584	2,999	5,92,101	9,460

Weekly Return of Traffic Receipts on Indian Railways.

KAUNIA AND DHARLLA STATE RAILWAY.

Approximate Return of Traffic for week ended 18th December 1886, on 37 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchan- dise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,082	1,066 0 0	5,642 0	248 0 0	1,417 0 0	2,731 0 0	250	269	519
Or per mile of railway ...	56	29 0 0	153 0	7 0 0	.....	36 0 0	7	7	14
For previous 24 weeks of half- year ...	41,521	17,633 0 0	92,536 0	5,463 0 0	27,978 0 0	51,074 0 0*	5,919	5,929	11,848
Total for 25 weeks ...	43,603	18,699 0 0	98,177 0	5,711 0 0	29,395 0 0	53,805 0 0	6,178	6,208	12,386
COMPARISON.									
Total for corresponding week of previous year ...	1,696	777 0 0	4,280 0	250 0 0	1,363 0 0	2,330 0 0	250	269	519
Per mile of railway correspond- ing week of previous year ...	46	21 0 0	116 0	7 0 0	.....	28 0 0	7	7	14
Total to corresponding date of previous year ...	36,984	17,377 0 0	86,063 0	4,290 0 0	31,695 0 0	63,361 0 0	6,295	6,295	12,590

* Audited up to week ending 6th November 1886.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Kaunia and Dharlla State Railway.

RECEIPTS FOR WEEK ENDING 19TH DECEMBER 1886.			RECEIPTS FOR WEEK ENDING 18TH DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 19TH DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 18TH DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
37	2,330	63	37	2,731	74	37	89,930	64	37	88,634*	60	.....	6,096

* Audited up to week ending 6th November 1886.

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the week ended 18th December 1886, on 249 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings inclusive steam-boat (estimated.)	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	30,400	13,530 0 0	1,16,474 0	23,790 0 0	5,200 0 0	37,520 0 0	5,160	8,070	13,230
Or per mile of railway ...	82	54 0 0	468 0	116 0 0	.....	170 0 0	21	32	53
For previous 24 weeks of half-year ...	446,752	3,21,019 0 0	32,83,223 0	7,69,263 0 0	1,26,788 0 0	12,17,070 0 0	115,470	201,124	316,594
Total for 25 weeks ...	460,212	3,34,549 0 0	33,99,697 0	7,98,053 0 0	1,31,988 0 0	12,64,350 0 0	120,630	209,194	329,824
COMPARISON.									
Total for corresponding week of previous year ...	19,454	14,217 6 8	1,84,070 0	37,394 5 0	6,576 5 2	58,190 0 10	4,920	10,902	14,922
Per mile of railway corresponding week of previous year ...	78	57 1 7	619 0	160 2 10	.....	207 4 5	20	40	60
Total to corresponding date of previous year ...	437,563	3,18,418 15 4	25,46,641 0	6,30,507 15 9	1,07,398 10 6	10,65,315 9 7	116,248	193,820	310,068

* Audited up to week ending 6th November 1886.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Northern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 19TH DECEMBER 1886.			RECEIPTS FOR WEEK ENDING 18TH DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 19TH DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 18TH DECEMBER 1885.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
249	Rs. 58,190	Rs. 234	249	Rs. 47,520	Rs. 191	249	Rs. 15,51,243	Rs. 164	249	Rs. 18,77,030*	Rs. 198	Rs. 3,26,687	Rs.

* Audited up to week ending 6th November 1886.

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 18th December 1886 ...	Rs. A. P.
Corresponding week last year ...	7,224 0 0
Decrease ...	7,350 0 0
Receipts from 1st July to 18th December 1886 ...	2,37,238 0 0
From 1st July to 19th December 1885 ...	2,13,039 0 0
Increase ...	24,199 0 0
Miles open week ending 18th December 1886 ...	Miles. 51
Corresponding week last year ...	50 $\frac{3}{4}$
Increase ...	$\frac{1}{4}$
Receipts per mile open week ending 18th December 1886 ...	Rs. A. P. 141 10 4
Corresponding week last year ...	144 13 5
Decrease ...	3 3 1

CHIEF OFFICE, DARJEELING the 30th December 1886.

W. STEVENSON, Secretary, D. H. Ry.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 12, 1887.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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DISTRICT ROAD FUND.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

ROAD CESS.

Calcutta, the 6th January 1887.

No. 34 R.C.

READ—

Letter from the Accountant-General, Bengal, No. 677 L.F., dated the 29th December 1886, submitting an abstract of receipts and expenditure of the several District Road Committees in Bengal for the quarter ending the 30th June 1886.

RESOLUTION.

THE Lieutenant-Governor directs that the accounts of the receipts and expenditure of the several District Road Committees for the third quarter of the cess year 1885-86 be published in the *Calcutta Gazette* and circulated to the officers concerned.

ORDER.—Ordered that a copy of this resolution, together with a copy of the abstract of receipts and expenditure, be published in the Supplement to the *Calcutta Gazette*.

Ordered also that a copy of this resolution, and of the abstract referred to, be forwarded to all Commissioners of Divisions, to all Superintending Engineers of Public Works Circles in Bengal, and to the Financial Department of this Government for information.

DISTRICT

Statement of Receipts and Expenditure of the several District

RECE									
DISTRICTS.		Balance in treasury on 1st April 1886.	PROVINCIAL RATES.					Interest on arrears of road cess.	PUBLIC Road tolls
			Cess on lands.	Cess on mines and railways.	Cess on houses.	One per cent. road cess.	Total.		
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1	Burdwan	74,534 5 10	50,786 10 1	4,958 3 0			37,739 13 1	451 3 5	
	Bankoora	23,484 6 2	15,061 5 8	20 0 6			15,081 6 2	279 13 11	
	Beerbhoom	24,494 5 1	15,381 4 9				15,381 4 9	83 9 7	
	Midnapore	1,05,016 0 5	31,476 4 1				31,476 4 1	525 13 3	
5	Hooghly and Howrah	27,940 2 2	35,043 6 8				35,043 6 8	1,437 15 7	
	24-Pergunnahs	24,080 0 3	24,638 12 5				24,638 12 5	646 9 8	
	Nudda	17,443 7 6	16,606 3 1				16,606 3 1	189 6 2	
	Jessore	12,242 13 9	20,076 4 3				20,076 4 3	194 7 7	
	Khoolna	47,555 1 1	13,290 7 11				13,290 7 11	61 0 8	
10	Moorshedabad	23,602 10 3	15,527 16 5				15,527 16 5	53 5 9	
	Dinagopore	18,196 1 7	22,898 4 9				22,898 4 9	68 7 1	
	Rajshahye	25,927 7 4	22,664 2 1				22,664 2 1	83 13 10	
	Rungpore	51,643 7 1	50,305 15 9				50,305 15 9	133 5 5	
	Bogra	35,340 1 8	10,423 7 7				10,423 7 7	67 2 6	
15	Pubna	45,366 6 3	12,849 13 4				12,849 13 4	274 15 5	
	Darjeeling	22,181 0 2	2,564 1 3	126 8 3			2,690 9 6	6 3 6	
	Julpigoree	5,975 6 5	7,734 15 9				7,734 15 9	75 14 0	
	Dacca	85,009 9 2	17,296 11 4				17,296 11 4	439 10 5	
	Furzedpore	9,257 3 0	13,237 3 11				13,237 3 11	423 7 10	
20	Backergunge	50,260 9 2	24,452 10 1				24,452 10 1	647 14 10	
	Tippurah	81,549 9 9	21,733 6 6				21,733 6 6	328 10 3	
	Mymensingh	1,08,250 2 11	30,826 2 1				30,826 2 1	239 3 0	
	Chittagong	47,804 1 5	34,930 14 5				34,930 14 5	188 10 6	
	Noakholly	23,040 0 10	17,606 6 11				17,606 6 11	101 3 6	
25	Patna	67,533 6 6	48,042 11 6				48,042 11 6	641 13 2	
	Gya	92,474 13 5	40,828 15 7	16 1 6			40,844 1 1	277 39 8	
	Shahabad	54,818 8 3	31,829 7 7	12 13 9			31,842 5 4	541 1 4	
	Mozufferpore	31,872 12 9	43,305 12 6				43,305 12 6	614 14 3	
	Durbhunga	1,02,148 3 6	43,623 14 4				43,623 14 4	1,400 4 7	
30	Sarun	1,28,654 15 2	37,091 8 3				37,091 8 3	603 10 9	
	Chumparun	10,815 4 10	27,505 2 1	738 11 9			28,243 13 10	140 13 7	
	Monghyr	88,901 7 11	45,353 6 0				45,353 6 0	338 14 3	
	Bhagulpur	52,551 4 1	29,893 2 0				29,893 2 0	131 6 8	
	Purneah	15,715 14 7	20,652 4 4				20,652 4 4	56 5 1	
35	Maldah	15,805 5 8	7,219 8 1				7,219 8 1	108 1 5	
	Cuttack	27,081 11 1	29,767 4 11				29,767 4 11	246 1 2	
	Pooree	279 3 1	11,114 1 6				11,114 1 6	195 3 10	
	Balasore	15,320 1 3	12,067 13 9				12,067 13 9	139 3 9	
	Hazaribagh	23,124 2 9	6,669 13 4	1,842 5 4			8,512 2 8	31 1 11	
40	Lohardugga	30,940 15 8	3,598 8 4	0 3 0			3,598 11 4	41 7 2	
	Manbhoom	18,257 4 8	12,422 6 0	970 12 2			13,392 2 2	422 3 1	
Total		17,22,702 7 5	9,38,986 10 2	10,680 11 3			9,49,667 5 5	18,076 3 7	
NON-CESS DISTRICTS.									
	Chittagong Hill Tracts	6,269 2 3							
	Southal Pergunnahs	4,150 4 0							
44	Singbhoom	8,719 9 6		8 7 9			8 7 9		
Total		19,138 15 9		8 7 9			8 7 9		
GRAND TOTAL		17,41,841 7 2	9,38,996 10 2	10,689 3 0			9,49,675 13 2	18,076 3 7	

FORT WILLIAM,
The 20th December 1886.

WORKS.

WORKS.		IRRIGATION.		MISCELLANEOUS.							
Ferry tolls.	Total.	Canal tolls.	Rent of serais and staging bungalows.	Fees, fines, and forfeitures.	Miscellaneous.	Total.	DISTRICTS.				
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.					
			6 0 0	1 0 0	8,785 5 3	3,792 5 3	Burdwan				1
			118 0 0	53 13 6	62 0 9	115 14 3	Bankura				
				684 5 6	0 0 0	806 11 6	Beerbhoom				
				197 12 9	412 11 9	610 8 6	Midnapore				
				3,277 12 0	1,268 12 0	4,446 10 0	Hooghly and Howrah				6
			116 0 6	80 15 0	632 10 0	722 0 0	24-Pergunnabs				
				84 15 6	554 9 6	755 9 6	Nuddea				
				2 14 6	176 9 6	178 8 0	Jessore				
				0 12 0	45 8 0	46 4 0	Khoolna				
			11 8 0	7 6 0	269 6 9	276 12 9	Morshedabad				10
			169 0 0	82 14 0	59 8 0	124 14 0	Dinapore				
				186 15 6	45 18 6	341 9 6	Rajshahya				
				620 6 0	19 0 0	680 6 0	Bungpore				
				0 8 0	169 1 0	169 9 9	Bogra				
				36 0 0	88 13 6	118 13 6	Pubna				15
				0 0 0	13 0 2	32 0 2	Darjeeling				
3,641 4 0	3,641 4 0		245 2 0	0 10 0	3,034 3 5	3,282 15 5	Jalpigoree				
				624 9 0	36 5 6	660 14 6	Dacca				
				227 8 0	14 8 3	242 0 3	Farrukpore				
				794 5 4	80 0 0	848 11 4	Hackergunge				20
				367 13 3	1,104 10 0	1,472 7 3	Tippurah				
		2,057 0 0	3 0 0	1,071 3 6	814 15 6	1,071 3 6	Mymensingh				
				61 5 0	30 10 10	879 4 6	Chittagong				
				10 4 0	57 7 2	40 14 10	Noakholly				
			393 14 0	123 7 9	56 19 3	674 12 11	Patna				25
			82 14 0	671 13 0	19 0 0	192 1 6	Gya				
			71 8 0	191 0 6	138 9 0	295 13 0	Shahabad				
			34 0 0	34 4 0	37 0 0	3,127 1 4	Mozufferpore				
			52 4 0	3,044 13 4	184 6 0	429 15 0	Burhanga				
			150 8 0	95 1 0	0 4 0	9 4 0	Savni				30
				606 3 0	184 5 3	799 8 3	Chumpara				
			11 8 0	183 6 0	141 2 4	336 0 4	Monghyr				
			0 8 0	7 8 0	0 2 6	8 2 6	Bhagulpur				
				12 0 0	105 9 9	117 9 9	Purneah				
			373 6 5	921 1 3	94 12 4	1,349 4 6	Maldah				35
				288 4 0	39 0 2	327 4 2	Cuttack				
				62 14 0	27 0 0	119 14 0	Poorce				
			21 0 0	73 12 0	94 1 0	192 5 0	Balasore				
			24 8 0	17 12 0	146 15 9	164 3 9	Hazaribagh				
			0 8 0			367 7 9	Lohardugga				40
			259 0 0	168 7 9			Manbhoom				
5,415 8 0	5,415 8 0	2,057 0 0	2,052 0 11	14,784 4 5	13,976 4 11	30,812 10 3	Total.				
		</									

RECE

Districts.	Grant from Government.	SUSPENSE ACCOUNTS.			Total receipts.
		Advances.	Deposits.	Total.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 Burdwan		243 2 0	210 0 3	453 2 3	42,496 8 0
Bankura		155 8 0		155 8 0	15,632 12 4
Berhampur		839 0 0		839 0 0	17,101 9 10
Midnapore	5,513 8 6	3,537 1 10	1,900 5 9	5,327 7 7	43,853 8 11
5 Hooghly and Howrah		517 13 5		517 13 5	41,018 0 3
24 Pergunnahs		3,011 1 0	84 14 0	3,095 15 0	26,525 12 6
Nuddea		213 0 9		2,113 0 9	20,697 1 0
Jessore		2,484 6 0		2,484 6 0	23,162 4 7
Khoulna	412 1 0	1,596 3 5		1,596 3 5	16,300 4 1
10 Moorshedabad		4,545 14 9		4,545 14 9	17,154 5 4
Dinapore		7,071 3 0		7,071 3 0	27,407 8 7
Rajshahye		14,539 4 0	30 0 0	14,569 4 0	30,100 12 5
Rangpore		2,177 11 6	28 7 9	2,174 3 3	43,441 15 5
Bohara	735 13 7	5,010 2 8		5,060 2 8	13,512 4 8
15 Pubna	107 12 3	1,157 3 7		1,157 3 7	18,411 9 5
Darjeeling	796 9 2	2,792 3 3		2,792 3 3	4,072 9 7
Jalpaiguri	125 0 0	5,952 2 11		5,952 2 11	14,011 0 5
Paradeepore	394 6 10	1,912 2 0	1,445 6 9	3,357 8 9	28,335 2 1
23 Backergunge	1,281 10 4	3,672 11 3		3,672 11 3	18,549 15 1
Tripurrah	1,968 4 3	511 14 3		511 14 3	31,300 8 9
Myitthaingyi		7,335 15 3	1,124 0 0	8,459 15 3	24,178 6 3
Chittagong		2,564 3 8	54 4 0	2,610 7 8	49,636 5 1
Nontahilly		1,965 5 6	85 0 0	1,649 5 6	10,397 14 9
25 Patna		2,071 13 0	2,371 0 0	5,348 13 0	52,498 1 8
Gya	450 0 0	7,986 7 1	6,800 7 0	14,786 14 1	67,230 14 8
Shahabad		2,161 0 9	100 0 0	2,261 0 9	34,896 8 17
Almoulterpore		329 9 0	1,595 14 11	1,925 7 11	43,052 15 8
Durbhanga		1,830 13 5		1,830 13 5	49,282 1 8
30 Sonm		11,672 7 4	72 0 0	11,744 7 4	49,871 9 4
Chunpuran	1,800 0 0	1,823 14 5		1,833 14 5	32,427 13 10
Monghyr		8,152 3 2	735 0 0	4,787 3 2	50,718 15 8
Bangulpur	137 6 5	2,629 1 10	3,112 10 0	5,741 11 10	36,239 11 3
Purneah		6,563 15 11		6,563 15 11	26,483 15 10
35 Malda		7,682 13 1	338 14 0	8,021 11 1	16,867 14 4
Cuttack		312 12 0		312 12 0	21,715 0 7
Pooree	1,471 15 8	415 5 0		415 5 0	13,533 13 8
Balasore		152 4 0		152 4 0	12,520 3 6
Hazaribagh		468 9 10	272 0 0	475 9 10	9,411 5 5
40 Lohardugga		1,320 7 11	890 0 0	2,210 7 11	5,324 14 2
Manbhoom					14,182 13 0
Total	12,194 8 0	1,23,532 0 9	21,541 4 5	1,44,873 5 2	11,61,096 8 5
NON-CES DISTRICTS.					
Chittagong Hill Tracts		951 15 6		951 15 6	1,091 16 9
Sonthal Pergunnahs	54,600 0 0	1,161 3 8		1,164 3 8	35,337 7 0
44 Singbhoom		102 5 6		102 5 6	119 13 3
Total	54,600 0 0	2,219 8 6		2,218 8 6	36,418 15 6
GRAND TOTAL	46,194 8 0	1,25,750 9 3	21,311 4 5	1,47,091 13 8	11,97,515 7 11

EXPEN

Districts.	REFUNDS.			PROVINCIAL RATES.	ADMINISTRATION.		
	Cess.	Other receipts.	Total.	Establishment and contingencies of office of collection.	Establishment and contingencies of Committee's office.	Percentage cost of establishment for offices of account and control.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 Burdwan		16,104 5 0	16,104 5 0	1,455 0 3	444 14 1		444 14 1
Bankoora				1,683 15 4	213 7 8		243 7 8
Baerbhoom				521 6 9	211 5 10		211 5 10
Midnapore				1,223 14 0	540 0 3		540 0 3
8 Hooghly and Howrah	70 4 3	350 0 0	420 4 3	2,675 7 7	584 14 11		584 14 11
24 Pergunnahs	55 0 3		55 0 3	1,320 3 8	417 7 6		417 7 6
Nudda				785 1 3	416 4 0		416 4 0
Jessore				1,080 15 2	849 7 8		849 7 8
Khoolna				762 7 9	332 5 3		342 5 3
10 Moorsheadabad				850 14 7	233 3 0		233 3 0
Dinazepore		11 15 0	11 15 0	454 7 1	256 0 0		256 0 0
Rajshahye		361 4 9	361 4 9	625 7 3	812 5 6		812 5 6
Rungpore		734 3 2	734 3 2	1,136 15 9	1,280 12 0		1,280 12 0
Hogra				549 11 3	239 15 9		239 15 9
15 Pubna		50 8 0	50 8 0	630 1 0	292 14 6		292 14 6
Darjeeling				258 9 0	323 0 0		323 0 0
Jalpiroee				315 3 6	334 8 6		334 8 9
Dacca		328 4 3	328 4 3	1,496 14 2	713 10 3		713 10 3
Furzedpore				1,491 3 10	372 6 8		372 6 8
20 Backergunge		546 11 10	546 11 10	4,857 11 10	462 14 0		462 14 0
Tipperah		23 8 0	23 8 0	1,466 12 1	444 2 8		444 2 8
Mymensingh				2,164 1 0	533 8 6		533 8 6
Chittagong				2,132 10 2	609 9 9		609 9 9
Noakhully				942 8 9	379 8 6		379 8 6
25 Patna	15 4 9	165 5 3	180 10 0	898 1 11	1,361 11 6		1,361 11 6
Gya		192 6 9	192 6 9	2,773 14 9	1,008 5 0		1,008 5 0
Shahabad		26 8 9	26 8 9	916 14 0	380 8 0	936 12 0	1,317 4 0
Mozufferpore				882 7 4	937 0 6		937 0 6
Durbhunga				1,068 15 2	477 2 0		477 2 0
30 Saran				1,611 8 4	722 5 6		722 5 6
Chumparan				1,619 6 5	248 10 5		248 10 5
Monghyr		131 11 0	131 11 0	729 6 3	465 8 9		465 8 9
Rhazulpur				650 0 0	548 3 6		548 3 6
Parneah				359 9 6	380 13 6		380 13 6
35 Maldah				306 9 6	245 4 9		245 4 9
Cuttack		16 5 3	16 5 3	1,041 12 4	220 8 0		220 8 0
Peoree				251 10 7	465 14 8		465 14 8
Bainsore				838 5 9	207 14 4		207 14 4
Hazaribach				233 6 0	238 4 0		238 4 0
40 Lohardugga				563 9 6	104 5 2		104 5 2
Manbhoom	55 2 5	87 8 0	142 10 5	616 4 2	404 15 8		404 15 8
Total	327 6 8	18,788 14 0	19,116 4 8	45,775 8 0	19,257 1 7	936 12 0	20,223 13 7
Chittagong Hill Tracts					1 8 0		1 8 0
24 Southern Pergunnahs					238 2 0		238 2 0
44 Singbhoom					81 15 0		81 15 0
Total					321 9 0		321 9 0
GRAND TOTAL	327 6 8	18,788 14 0	19,116 4 8	45,775 8 0	19,608 10 7	936 12 0	20,545 6 7

IPT 6.

Balance of imposts in hands of Bhumcoors and others decreased.	Balance of uncashed cheques increased.	Total receipts, including balance.	Outlay.	Balance in treasury, on 30th June 1900.	DISTRICTS.
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
14 13 0	3,198 0 3	1,10,770 13 10	61,525 7 3	54,245 6 7	Burdwan ... 1
500 0 0	207 0 0	39,117 2 6	12,590 12 1	26,526 0 5	Bansgaon ... 1
500 0	207 7 6	41,690 15 2	8,991 5 1	32,699 10 1	Baobhoon ... 1
		1,51,837 15 7	66,274 10 10	85,563 4 9	Midnapore ... 1
		68,954 2 5	39,175 9 10	29,779 2 7	Houghly and Howrah ... 1
		61,312 12 9	35,007 7 3	26,305 5 6	24-Pargannas ... 1
		38,140 0 3	27,235 9 9	10,904 13 0	Nuddoa ... 1
		38,277 12 2	24,260 2 4	14,017 9 10	Jessore ... 1
		65,598 5 1	28,901 13 10	36,697 7 3	Khoulna ... 1
		41,690 14 10	13,579 3 5	28,111 11 5	Morshedsabad ... 10
		45,867 15 5	25,837 5 5	20,030 10 0	Dumraon ... 1
		56,088 4 9	31,119 4 10	24,969 14 11	Rajshahiye ... 1
		37,522 11 0	61,842 11 10	35,340 2 2	Runkpore ... 1
		48,117 15 8	14,129 10 4	34,728 12 0	Bogra ... 1
		24,833 10 1	15,581 1 6	48,895 11 2	Patna ... 15
		22,986 0 10	6,751 1 11	21,102 8 2	Darjeeling ... 1
		1,11,084 11 3	21,109 9 3	1,876 7 7	Jalpaiguri ... 1
		27,830 0 5	5,746 14 9	80,367 12 6	Dacca ... 1
		84,429 9 11	2,544 11 1	4,274 5 4	Barisal ... 1
		1,00,008 0 0	5,790 0 4	62,579 9 7	Barisal ... 1
		7,278 3 3	27,007 1 1	7,529 11 11	Tipperah ... 1
		1,201 6 0	61,849 9 3	94,212 4 9	Mymensingh ... 1
		1,201 6 0	38,896 3 10	54,574 2 8	Chittagong ... 1
		1,201 6 0	21,631 11 0	19,805 10 7	Noakhali ... 1
		1,201 6 0	41,114 6 0	78,117 2 2	Patna ... 25
		1,201 6 0	1,10,767 4 9	39,464 8 2	Gya ... 1
		1,201 6 0	38,475 10 10	66,779 2 10	Shahabad ... 1
		1,201 6 0	3,500 1 9	88,255 5 11	Mozufferpore ... 1
		1,201 6 0	32,582 8 6	1,201 6 0	Darbhanga ... 1
		1,201 6 0	4,746 15 8	1,201 6 0	Saran ... 30
		1,201 6 0	27,007 2 11	1,201 6 0	Chumpran ... 1
		1,201 6 0	3,500 1 9	68,057 15 8	Monahyr ... 1
		1,201 6 0	36,117 1 8	62,799 13 7	Bhuzulpur ... 1
		1,201 6 0	21,507 13 5	20,749 5 0	Pornah ... 1
		1,201 6 0	14,920 8 7	18,911 3 5	Maldah ... 35
		1,201 6 0	18,101 6 3	45,898 1 0	Cuttack ... 1
		1,201 6 0	12,391 14 10	1,393 1 11	Pooree ... 1
		1,201 6 0	15,477 12 1	18,117 5 11	Balassore ... 1
		1,201 6 0	8,096 15 1	24,583 11 0	Hazaribagh ... 1
		1,201 6 0	16,896 11 9	20,080 5 10	Lehardugga ... 1
		1,201 6 0	4,238 2 20	25,298 4 1	Manbhoon ... 1
1,204 2 2	27,955 12 5	20,12,228 14 5	12,11,481 7 11	10,97,747 6 6	Total.
23 1 9	650 14 0	7,278 3 3	2,351 4 6	4,910 9 6	Chittagong Hill Tracts ... 1
23 1 9	650 14 0	39,008 0 5	1,000 1 1	32,000 15 5	South Pargannas ... 1
23 1 9	650 14 0	1,040 0 0	2,519 13 6	6,500 9 0	Manbhoon ... 1
23 1 9	650 14 0	56,249 4 0	12,132 3 1	44,117 0 11	Total.
1,307 3 11	27,723 15 5	20,09,478 2 5	12,26,613 11 0	17,41,864 7 5	GRAND TOTAL.

Cass Districts.

Nov-Gen Districts.

DITURN.

STATIONERY.		PUBLIC WORKS.							
Stationery and printing.		Original works.	Repairs.	Establishment.	Tools and plant.	Toll and ferry establishment and contingencies.	Establishment of Divisional Superintendent of Works.	DISTRICTS.	
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
73 2 3	6,515 11 4	23,838 1 0	3,240 10 3	1,457 1 2	252 10 0	.....	4,329 6 3	Bardwan	1
68 6 9	3,265 13 9	3,037 0 0	1,457 1 2	2,266 15 3	243 0 0	.....	.....	Bankura	.....
523 14 9	12,300 0 0	20,213 5 3	5,979 14 6	4,627 2 6	278 0 0	.....	2,904 0 0	Bongaon	.....
44 4 0	88 0 0	14,705 3 0	4,627 2 6	4,385 0 3	2 8 0	.....	.....	Chittagong and Howrah	5
87 5 3	2,000 9 6	21,193 5 7	3,427 6 3	3,002 3 6	.....	.....	.....	24 Pergunnahs	.....
38 2 9	920 5 0	17,292 3 2	3,002 3 6	2,235 8 6	.....	.....	.....	Nadwa	.....
46 15 0	1,069 9 2	14,151 1 1	2,235 8 6	2,735 2 5	.....	.....	.....	Jessore	.....
2 2 2	10,443 15 3	11,673 13 10	3,259 4 0	3,259 4 0	.....	.....	.....	Kanchi	.....
27 15 0	9 12 9	8,540 5 11	2,825 7 0	450 7 0	.....	.....	.....	Masulabad	10
37 5 6	5,030 5 9	7,780 10 4	5,788 12 0	801 5 8	.....	.....	.....	Dumapora	.....
180 10 3	2,803 4 4	10,333 9 9	3,007 0 9	1,720 7 3	.....	.....	.....	Rajahmundry	.....
125 6 0	32,345 15 6	3,007 0 9	6,711 4 10	1,600 3 9	.....	.....	.....	Rampore	.....
2 1 0	80 7 0	6,711 4 10	1,600 3 9	1,027 11 6	.....	.....	.....	Bogga	.....
134 0 3	1,292 8 8	5,003 14 4	1,027 11 6	1,073 12 9	.....	.....	.....	Orissa	15
6 9 0	.....	1,854 2 1	1,073 12 9	1,11 6	.....	.....	.....	Patna	.....
1 8 0	11 2 0	3,070 7 9	1,11 6	1,11 6	.....	.....	.....	Patna	.....
100 7 3	12,204 15 1	8,062 0 0	1,11 6	1,11 6	.....	.....	.....	Patna	.....
13 13 5	11,303 6 0	1,633 0 2	1,11 6	1,11 6	.....	.....	.....	Patna	.....
151 5 2	11,328 2 3	3,577 9 0	1,11 6	1,11 6	.....	.....	.....	Patna	.....
104 12 9	11,320 1 6	6,787 2 1	1,11 6	1,11 6	.....	.....	.....	Patna	.....
17 13 5	40,606 4 0	6,807 5 0	1,11 6	1,11 6	.....	.....	.....	Patna	.....
194 1 9	7,531 15 2	13,600 0 0	1,11 6	1,11 6	.....	.....	.....	Patna	.....
261 13 0	4,800 15 1	13,179 7 0	1,11 6	1,11 6	.....	.....	.....	Patna	.....
88 6 0	0,012 11 3	8,596 5 6	1,11 6	1,11 6	.....	.....	.....	Patna	.....
060 13 0	68,364 11 9	11,086 7 8	1,11 6	1,11 6	.....	.....	.....	Patna	.....
38 8 0	5,001 2 8	10,019 7 7	1,11 6	1,11 6	.....	.....	.....	Patna	.....
80 8 9	18,445 0 11	12,106 9 9	1,11 6	1,11 6	.....	.....	.....	Patna	.....
26 2 7	1,257 0 0	12,106 9 7	1,11 6	1,11 6	.....	.....	.....	Patna	.....
200 12 0	13,075 3 6	5,777 12 2	1,11 6	1,11 6	.....	.....	.....	Patna	.....
55 11 6	83 4 0	13,119 2 1	1,11 6	1,11 6	.....	.....	.....	Patna	.....
90 9 6	0,841 8 3	10,377 12 7	1,11 6	1,11 6	.....	.....	.....	Patna	.....
2 14 0	4,151 3 6	11,224 12 6	1,11 6	1,11 6	.....	.....	.....	Patna	.....
80 1 0	484 9 9	14,011 3 8	1,11 6	1,11 6	.....	.....	.....	Patna	.....
110 10 6	—50 7 9	12,230 2 1	1,11 6	1,11 6	.....	.....	.....	Patna	.....
12 14 9	3,059 14 5	3,075 11 1	1,11 6	1,11 6	.....	.....	.....	Patna	.....
87 8 4	108 8 10	6,758 10 2	1,11 6	1,11 6	.....	.....	.....	Patna	.....
211 0 0	473 3 5	10,059 5 2	1,11 6	1,11 6	.....	.....	.....	Patna	.....
0 3 6	3,739 1 6	8,202 6 2	1,11 6	1,11 6	.....	.....	.....	Patna	.....
.....	.....	1,142 13 1	1,11 6	1,11 6	.....	.....	.....	Patna	.....
4,004 8 8	3,43,495 11 1	1,10,750 0 2	1,31,314 7 4	9,700 0 10	5,380 0 11	30,039 13 0	Total.		
.....	951 15 6	77 11 0	1,310 2 0	10 0 0	.....	.....	.....	Chittagone Hill Tract	.....
11 15 0	587 9 3	2,8 2 7 1	2,280 8 0	84 12 0	.....	.....	.....	South Pergunnahs	.....
.....	4 8 9	2,300 11 9	415 0 0	.....	.....	.....	.....	Simaboom	44
11 15 0	1,543 12 6	5,200 13 10	4,014 10 0	44 12 0	.....	.....	Total.		
4,078 7 8	3,45,039 7 7	4,15,956 14 0	1,35,320 1 4	9,746 13 10	5,380 0 11	30,039 13 0	GRAND TOTAL.		

CESS DISTRICTS.

NON-CESS DISTRICTS.

EXPEN

		PUBLIC WORKS.		IRRIGATION.		MISCELLANEOUS.						
DISTRICTS.		Total.		Canal toll establishment and contingencies.	Staging bungalow establishment and contingencies.	Staging bungalow petty construction and repairs.	Miscellaneous.	Total.	Contribution to Provincial Governments.			
		Rs. A. P.		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Cane DISTRICTS.	1 Burdwan	40,176	7 7		70	2 0						
	Bankura	8,530	15 8		33	0 0		22	10 0			
	Beerbhoom	0,312	12 0					857	12 0			
	Medinipore	49,663	3 0					5	3 0			
	6 Hooghly and Howrah	20,099	2 0					14	1 7			
	24-Perannahs	31,555	7 4					100	0 0			
	Nuddon	20,045	11 6		60	0 0		43	14 0			
	Jessore	20,411	8 6		221	7 3	630	3 3				
	Khoolna	24,000	4 4		90	0 0	21	4 3	35	1 3		
	10 Moorshedabad	1,147	0 1									
	Dinapore	12,002	5 10									
	Rajshahy	18,008	8 7		48	1 6	117	0 0		165	1 8	
	Rungpore	4,000	8 8		40	5 0	4	0 0		44	8 0	
	Bogra	10,804	5 1						91	0 0	91	0 0
	13 Patna	10,000	3 4									
	Varanasee	2,781	13 7									
	Jalpaigore	18,100	3 0		99	0 0	5	8 0	0	11 0	105	3 0
	Dacca	25,000	6 4									
	Farrukpore	11,000	3 2									
	20 Backergunge	1,004	15 6									
	Tippurah	25,002	13 6									
	Mymensingh	57,746	0 0									
	Chittagong	24,139	5 8						163	15 6	163	15 6
	Noncholly	20,000	10 1		4	10 3					4	10 3
	25 Patna	24,148	0 0		500	12 3	3,000	0 5			4,107	2 8
	Gya	80,000	11 2									
	Shahabad	27,712	10 10		90	0 0					90	0 0
	Muzafferpore	10,000	0 7		30	3 1	94	9 9	234	4 11	339	1 9
	Darbhanga	2,000	11 6		105	0 0	115	5 3			260	5 3
30 Suran	25,112	5 2		50	11 0	6	12 0			57	7 0	
Chunapur	18,000	7 3										
Monohar	2,000	11 11										
Bankipur	25,000	12 3										
Purneah	10,000	7 11				247	13 3			247	13 3	
35 Malda	14,000	8 10										
Cuttack	14,007	6 10		148	8 0	290	0 10			438	8 10	
Pooree	10,000	3 4		40	7 0					40	7 0	
Bansore	11,000	13 0		27	0 0					27	0 0	
Hazriabagh	0,000	3 3		27	8 0	3	10 0			31	8 0	
40 Lohardugga	14,006	10 4		51	0 0	41	15 6			92	15 6	
Manbheon	3,074	1 1										
Total		9,30,680	1 4		1,740	15 1	5,243	11 6	1,548	8 6	8,539	3 1
Chittagong Hill Tracts		2,340	12 6									
44 Sonthal Pergunnahs		5,000	4 4		295	1 9	84	3 6			379	5 3
44 Singhbhum		2,725	15 6									
Total		10,610	0 4		295	1 9	84	3 6			379	5 3
GRAND TOTAL		9,41,490	1 8		2,042	0 10	5,327	15 0	1,548	8 6	8,618	3 4
NON-CANE DISTRICTS.												

ROAD FUND.

Road Committees for the Third Quarter of the Cess Year 1885-86. ending 30th June 1886.

DITURN.

SUSPENSE ACCOUNTS.			Total expendi- ture.	Balance of imprints in hands of Engi- neers and others increased.	Balance of uncashed cheques decreased.	Total outlay.	DISTRICTS.
Advances.	Deposits.	Total.					
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
2,251 7 0	266 8 0	2,517 15 0	61,771 7 2	461 9 11	754 0 1	62,526 7 3	Bardwan ... 1
1,790 8 0	.....	1,790 8 0	12,643 2 2	.....	.....	12,530 12 1	Bankura ... 1
1,075 0 0	.....	1,075 0 0	8,991 5 1	.....	.....	8,991 5 1	Beerbhoom ... 1
6,224 8 4	2,272 10 9	8,497 1 1	60,158 4 10	121 6 0	.....	60,279 10 10	Midnapore ... 1
5,870 5 6	.....	5,870 5 6	29,708 7 10	.....	467 2 0	39,175 9 10	Hooghly and Howrah ... 5
1,380 15 9	85 0 0	1,471 15 9	35,007 7 3	.....	.....	35,007 7 3	24-Pergunnahs... 1
2,871 6 6	815 0 0	3,686 6 6	25,181 9 0	100 0 0	1,054 0 9	27,235 9 9	Nuddea ... 1
972 11 0	.....	972 11 0	24,250 2 4	.....	.....	24,250 2 4	Jessore ... 1
2,033 5 0	77 0 0	2,110 5 0	28,994 13 10	.....	.....	28,994 13 10	Khoolna ... 1
985 4 9	84 14 0	1,069 3 9	19,579 3 5	.....	.....	19,579 3 5	Moorshedabad ... 10
8 155 4 0	.....	8 155 4 0	23,806 5 5	.....	.....	23,806 5 5	Dumkapore ... 1
8,798 10 0	.....	8,798 10 0	29,301 0 7	.....	2,028 4 3	31,329 4 10	Rajshahye ... 1
12,432 9 0	125 4 9	12,557 13 9	61,482 3 4	389 8 6	.....	61,871 11 10	Kangpore ... 1
1,380 3 6	.....	1,380 3 6	13,147 4 7	800 0 0	482 5 9	14,129 10 4	Kogra ... 1
8,000 11 8	.....	8,000 11 8	15,273 6 9	.....	107 10 9	15,381 1 0	Patna ... 16
1,968 2 4	.....	1,968 2 4	4,927 1 11	.....	1,124 0 0	6,051 1 11	Darjeeling ... 1
1,812 14 8	.....	1,812 14 8	21,160 9 3	.....	.....	21,160 9 3	Jalpaigore ... 1
4,974 5 9	.....	4,974 5 9	33,059 0 0	110 0 0	647 14 9	33,716 14 9	Dacca ... 1
6,047 8 0	1,003 10 0	7,050 8 0	23,544 11 1	.....	.....	23,544 11 1	Furraddipore ... 1
0,208 6 9	170 0 0	0,378 6 9	31,230 0 4	.....	.....	31,230 0 4	Backergunge ... 1
17 3 0	1,124 0 0	1,141 3 0	27,007 4 1	.....	.....	27,007 4 1	Tripurah ... 30
3,882 9 0	868 1 9	4,750 10 9	61,749 9 3	100 0 0	.....	61,849 9 3	Mymensingh ... 1
2,398 14 0	20 0 0	2,418 14 0	31,849 3 10	.....	2,047 0 0	33,896 3 10	Chittagong ... 1
1,570 0 0	4,777 12 2	6,347 12 2	24,432 11 0	.....	4,317 4 3	28,749 11 0	Noakholly ... 25
5,607 7 9	11,172 9 4	16,780 1 1	37,297 1 9	80 14 0	.....	37,377 1 9	Patna ... 1
3,283 10 3	100 0 0	3,383 10 3	1,10,516 6 9	.....	.....	1,10,516 6 9	Gya ... 1
0,163 11 7	733 10 1	896 11 8	33,573 10 10	.....	.....	33,573 10 10	Shahabad ... 1
15,720 4 5	.....	15,720 4 5	39,072 1 0	.....	.....	39,072 1 0	Mozufferpore ... 1
2,835 8 3	.....	2,835 8 3	32,582 8 6	.....	643 8 6	33,225 8 6	Durghunga ... 1
5,837 8 0	247 0 0	6,084 8 0	42,732 7 2	.....	.....	42,732 7 2	Saran ... 1
5,495 8 4	6,399 9 10	11,894 7 4	27,033 2 11	.....	.....	27,033 2 11	Chumpran ... 1
1,318 5 0	.....	1,318 5 0	30,891 9 11	.....	.....	30,891 9 11	Monghyr ... 1
1,677 12 0	299 4 0	1,976 12 0	36,617 1 8	100 0 0	.....	36,717 1 8	Shahulpur ... 1
1,624 0 0	.....	1,624 0 0	21,278 13 5	229 0 0	.....	21,507 13 5	Purneah ... 1
579 12 0	15 0 0	594 12 0	14,929 8 7	.....	.....	14,929 8 7	Mulda ... 1
483 9 6	80 8 0	563 7 6	13,191 6 3	.....	.....	13,191 6 3	Cuttack ... 1
492 6 0	870 9 9	1,362 13 9	12,394 14 10	.....	.....	12,394 14 10	Pooree ... 1
.....	.....	.....	13,457 12 1	.....	.....	13,457 12 1	Baharee ... 1
.....	.....	.....	8,095 15 1	.....	.....	8,095 15 1	Hazaribagh ... 1
.....	.....	.....	16,833 6 3	.....	23 8 6	16,856 11 9	Leharducka ... 1
.....	.....	.....	4,238 2 10	.....	.....	4,238 2 10	Manbhoom ... 1
1,28,223 15 2	21,156 2 8	1,49,379 17 7	11,97,701 8 11	2,193 6 5	14,496 8 7	12,14,481 7 11	Total.
509 5 6	.....	509 5 6	2,351 4 6	100 0 0	.....	2,351 4 6	Chittagong Hill Tracts ... 1
.....	.....	.....	6,861 1 1	.....	.....	6,861 1 1	Sonthal Pergunnahs ... 1
.....	.....	.....	2,619 13 6	.....	.....	2,619 13 6	Singbhoom ... 1
509 5 6	.....	509 5 6	12,032 3 1	100 0 0	.....	12,132 3 1	Total.
1,24,743 4 8	21,156 2 8	1,45,899 7 1	12,09,823 12 0	2,293 6 5	14,496 8 7	12,24,615 11 0	GRAND TOTAL.

Cess Districts.

Non-Cess Districts.

E. T. ATKINSON,

Accountant-General, Bengal.

**PROCEEDINGS OF A MEETING OF THE MUHAMMADAN
EDUCATIONAL ENDOWMENTS COMMITTEE, HELD
ON 28TH DECEMBER 1886.**

Published for general information at the request of the Committee.

PRESENT :

HON'BLE G. C. PAUL, C.I.E., *Advocate-General, President.*

MR. AMIR ALI.

NAWAB ABDUL LATIF, KHAN BAHADUR, C.I.E.

HON'BLE ABDUL JUBBER.

NAWAR MEER MAHOMED ALI.

P. NOLAN, Esq.

THE President observed that Mr. Nolan's note gave an accurate statement of the general result of the enquiry conducted by the Committee. From the decision passed by the High Court after hearing the argument of Mr. Amir Ali in the Sasseram-Khanka endowment case, it appeared that under the existing law an endowment might be treated as religious, though the deed by which it was constituted contained some provision for education. The speaker proposed that in such cases power should be given to the Civil Courts, on application made, to separate the educational from the religious portion of endowments, and to make separate provision for each, just as similar powers had been given to the Board of Revenue by Act XX of 1863. As to Nawab Meer Mahomed Ali's recommendation for the appointment of a Standing Committee, it might be adopted, but much of the real work would always have to be done by Government.

Mr. Nolan pointed out that under section 539, Civil Procedure Code, a Civil Court had at present the power, "whenever the direction of the Court is deemed necessary," to declare the proportions in which the objects of an endowment are entitled, and settle a scheme of management. He did not see what new jurisdiction the proposed law would confer. Did the President intend to suggest any principle according to which the division should be made? If left to their own guidance, the Courts would act as at present, and education would not be promoted.

The President replied that he would make the procedure cheaper and more summary than under section 539, and he would require no proof of fraud. The principle of division should, he thought, be to give the surplus to education after making a sufficient provision for all religious objects.

Mr. Amir Ali stated that he quite agreed with the President as to the desirability of simplifying the procedure in endowment cases. The supervision of endowments was a regular part of the duty of Government in Muhammadan countries: the officer charged with that function was in Turkey called the Nazir-i-Awkaf. But the executive should not have power to divert the course of endowments, lest officers should apply the funds to objects in which they took an immediate interest without due regard to the terms of the foundation.

Nawab Abdul Latif, Khan Bahadur, stated, speaking generally, a Muhammadan endowment originated in the act of some pious person who built a mosque during his lifetime, and on his death, being, perhaps, without the blessing of children, left a foundation to maintain it, devoting so much for lighting it, and so much for the maintenance of *tâlil-ul-ilm*—seekers of knowledge. The mosque is often at a distance from any town, and it is desired that some persons should reside in it to pray. The *tâlil-ul-ilm* are such persons, and their residence was contemplated by the pious founders. If the money assigned for them is to be taken away, and devoted to education elsewhere than in the mosque, who will remain to pray?

Mr. Amir Ali stated that he did not understand Mr. Paul's proposal as referring to purely religious endowments, but where there was an intention, expressed or implied, on the part of the founder, that a part of the income should be devoted to education, then the principle could be applied. Everyone now studied English and Bengali. Nawab Abdul Latif, Khan Bahadur, was himself an advocate of this. The *cypres* doctrine was applied to the utmost extent in Muhammadan law, and it would be perfectly consistent with that system to assign for the support of schools money left for the education of

students. The word *tâlib-ul-ilm* meant any seeker of knowledge or student, and was not confined to theological students.

The President said he did not see much advantage from the residence of idle *tâlib-ul-ilm*s at mosques, when they might be acquiring a useful education elsewhere. He would leave purely religious endowments alone, and referred only to those of a mixed character. The contention that money assigned for the maintenance of students could not be devoted to secular education seemed to touch the root of the Committee's business. It was not clear how there could be any improvement if this position were maintained.

Hon'ble Abdul Jubber produced Hughes' Dictionary of Islam in which *tâlib-ul-ilm* is described as "a term generally used for a student of Divinity." In this case we should distinguish between our ideas of education and those with which pious founders made provision for students in endowment deeds. It was certain that the founders of former generations contemplated an education of a character different in its essence from that given in our schools. He knew a case in which such a founder, managing his own endowment, refused to support students if they learned Bengali. The prejudice against English education survived in certain classes; he knew a muktedar who refused to give his son such an education. Men of the present day might found institutions for education of the modern type, and they did do so, as our proceedings prove. But they should not interfere with the bequests of dead men. He had no objection to supervision of endowments, but opposed the diversion of funds from religious to English education.

Nawab Meer Mahomed Ali enquired what was the word for a secular student, if *tâlib-ul-ilm* meant a theological student?

Nawab Abdul Latif replied that he knew of no specific designation for a secular student, and did not maintain that *tâlib-ul-ilm* always meant divinity students, but that it bore that significance in our endowment deeds. This could be proved by witnesses.

Mr. Nolan said that Mr. Paul's proposals were new to the Committee, and having been examined in a preliminary discussion, their further consideration might, with the permission of the President, be postponed. He was not sanguine as to the benefit of simplifying the procedure for trying endowment cases. These almost always involved questions of private claims to the property, which had to be regularly tried, if any case had to be; while such work as the framing of schemes of management was at present, he understood from the High Court's action in the Bruce legacy case, done in chambers, in the most convenient way. The proposal to devote to secular education all the proceeds of mixed endowments not needed for religious purposes was very important, and would, if adopted, lead to large financial results. He presumed that no attempt would ever be made to supersede religious education in mosques where such was in fact given. But apart from this would not a proposal constitute to education the residuary legatee of all endowments, after specific bequests had been carried out be unfavourably received by the Muhammadans as a body? In matters which might be taken as trenching on religion, great caution should be observed, and it was desirable not to proceed in advance of public opinion. There was another aspect of the case which had not been discussed,—that of the mutwalis, or hereditary managers, who now often acted as residuary legatees, taking the surplus profits of endowments after providing for specified objects. How would their claims be reconciled with making over this same surplus to education?

Mr. Ameer Ali replied that the principle would apply only when the manager was left a definite provision as one-ninth of the profits, and certainly not to cases where he was entitled to the whole surplus.

Nawab Abdul Latif Khan Bahadoor stated that Act XX of 1863 had occasioned much embezzlement, and he was strongly in favour of its repeal, and the reversion to the old system, under which endowments were managed by local agents, including the Collector.

Nawab Meer Mahomed Ali explained that he had advocated this in his memorandum before the Committee.

Mr. Amir Ali said he was not prepared on the present occasion to give an opinion on this matter, which referred to religious as well as secular endowments, and was beyond the scope of the Committee's immediate functions.

The Committee then proceeded to discuss the proposal of Nawab Meer Mahomed Ali, in his memorandum, that a standing Committee should be formed

for the supervision of secular or educational endowments, and the several questions as to the functions of such a Committee put in Mr. Nolan's note. Nawab Abdul Latif and the Hon'ble Abdul Jubber opposed the appointment of such a Committee, which was supported by the President, Mr. Amir Ali, and Nawab Meer Mahomed Ali. Mr. Nolan was in favour of the appointment only in case the Muhammadan community generally approved, of which he at present saw no adequate proof. On the supposition that a Committee should be appointed, the following answers were given to the questions put in the note. Nawab Abdul Latif and Hon'ble Abdul Jubber took no part in the discussion as being opposed to the formation of the Committees except as to questions 11, 12, and 13:—

Questions.

1. Nawab Meer Mahomed Ali suggests the formation of a standing Committee for the supervision of secular or educational endowments. All the subsequent proposals assume the appointment of such a body, and deal with its functions.

2. The number of the Commissioners of which such a Committee should be composed has to be considered, and the method of their appointment.

3. Should this Committee deal only with secular as opposed to religious educational funds and, if so, how are the two to be distinguished? An education designed to qualify the pupil for teaching or ministering religion is generally considered religious; but in the case of Muhammadans the subject is complicated by the absence of a separate class of priests.

4. Should the Committee deal only with educational funds, or with all the secular funds of endowments, including those devoted to charitable doles and to the maintenance of travellers?

5. The Endowed Schools Act of 1869 gives the Charity Commissioners in England power to apply to education, with the consent of the governing body, the funds of trusts made before 1800 for doles, marriage portions, loans, apprentice fees, &c. Mr. Beighton, Judge of Moorshedabad, commends this system for imitation in India. The practical effect would be to render available for education funds now devoted to doles and to the maintenance of *serais* for travellers. In England there is a strong feeling against what was once considered the most obvious form of charity—doles of money or food to the poor; but this sentiment is connected with the system of poor law relief prevalent in England, and may not be applicable to India.

6. Should the Committee possess powers of inquisition, and, if so, what powers? The grant of such powers is strongly recommended in many of the reports. The suggestion in our preliminary report is that the Commissioners might be empowered to call for title deeds of any lands credibly alleged to be held in trust for educational purposes, to summon and examine witnesses, and to delegate these powers to any local Committee presided over by a District Collector.

7. Should the Committee have the power to call for accounts, and, if so, of what endowments—of educational purely secular endowments, or of mixed endowments also? And is an endowment to be considered subject to the obligation of rendering accounts where it is exclusively religious according to the foundation deed, but in practice the funds have been in part applied to secular purposes? The case has to be considered of the Bohar endowment, Burdwan, in which the *matwali* refuses to render accounts on the ground that "it is quite clear that the calling for an account respecting the endowment is an act of interference which the *firman* does not allow." In some instances the founder has left everything to the discretion of the manager, and does not seem to have contemplated a call for accounts. In the case of Ghugudanga, Dinagopore, reported in the Commissioner of Rajshahye's letter dated 2nd July 1886, it would seem that the donor simply made a property worth Rs. 50,000 a year *wakf* providing, among other objects, for the institution of a madrasa, but never in fact founded the madrasa. A similar case is noticed in Chittagong, where the *wakf* seems to have been made in fraud of creditors. Where such is the intention, no precise sum is named for the support of the institution, and it will be difficult to say for what amount an account has to be rendered.

Answers.

1. A Committee should be appointed.

2. Five or seven members appointed by Government.

3. The Committee to deal with secular funds only.

4. The Committee to deal with all secular funds.

5. No such power should be given.

6. Powers of inquisition should be given, viz., the right to call for documents, and procure attendance of witnesses; these to be exercised through the civil courts, as is done in the case of Sub-Registrars.

7. The Committee should have power to call for accounts from all secular and mixed endowments, the accounts to show all receipts, and the expenditure on public secular objects only.

Questions.

Answers.

8. Should the Committee have power of itself to remedy abuses, or merely to bring a suit in the Civil Courts with that object? The right to sue only was at first given to the Charity Commissioners in England; but direct power of control was vested in them afterwards in respect to endowments of less than the annual value of £100. In this country a Committee would be met at every step by the plea that the endowment was religious, or that it was purely property.

9. Should the Committee be vested with the power conferred on the Charity Commissioners by the Endowed Schools Act, to make schemes for the management of schools without the consent of trustees, and, if so, should the confirmation of Government be required to such schemes, as that of the Privy Council is required at Home?

10. In England all endowment funds are vested in the official trustee, and his consent is necessary to the transfer of land. Should the land of all secular endowments be entered in the name of the Committee, and their consent be necessary to the validity of all sales or leases for more than 20 years? There are many complaints in the correspondence of the alienation for private purposes of *wakf* lands; and these transfers acquire validity by lapse of time. It is alleged that the Civil Courts are inclined to deal leniently with the claims of purchasers of such lands.

11. Mr. Beighton suggests that trusts should be placed under Committees elected by local bodies such as municipalities. He considers the objection that these bodies are Hindu of no great weight.

12. Mr. Beighton also proposes to abolish the distinction between public and private trusts, making the latter like the former, subject to the supervision of the Committee.

13. Should power be given to the courts to dismiss an hereditary *matwali* for mismanagement? It is stated by Mr. Beighton, on the authority of a Madras case, that this is not done at present.

14. Should the Committee be entrusted with the management of the Moshin Fund, as suggested in our preliminary report?

15. From what source are the expenses of the Committee to be met?

16. Should District Committees be formed, and, if so, should they be in addition to the Central Committee?

8. The right to investigate and report to Government should be given; the suits to be instituted by Government.

9. No.

10. On this point there was much discussion, as the advantages of preventing the scandal of the alienation of *wakf* lands was strongly urged, and it was acknowledged that such sales, though illegal, took place frequently, and were validated by the Limitation Act after twelve years' possession. It was thought inexpedient to enter such lands in the name of the Committee, though it would accomplish very effectively the object aimed at, as such a course would cause alarm. As an alternative it was considered that the consent of a Civil Court should be declared necessary to the transfer by sale of *wakf* lands.

11. This course is not approved.

12. This is unnecessary.

13. This is unnecessary. The Courts at present exercise a discretion in this matter.

14. Postponed.

15. Ditto.

16. Local Committees may be formed in addition to the Central Committee.

It was resolved that future meetings should be held at 8 A.M. on alternate Saturdays.

P. NOLAN,

Secretary, Muhammadan Educational

Endowments Committee.

NOTE.

THE duties of the Muhammedan Educational Endowments Committee are divided into two branches,—the ascertainment of facts as to Muhammedan educational foundations, and the examination or consideration of any proposals which may be suggested for the improvement of the law and administration in regard to such institutions. It may be convenient if I give a summary of the results of our enquiry under the first head, so far as it has as yet proceeded, and of the points brought forward under the second head for examination.

2. In our preliminary report to Government, dated the 30th July 1886, we gave a list of 46 endowments at present maintained in working order, and of 15 with regard to the funds of which the local officers considered that malversation had taken place. As to the latter, we noticed that the Committee, in their instructions to those making enquiries, requested that copies of the *touleutnamahs* of endowments might be forwarded, or, where these were not obtainable, the statements of competent witnesses; but that this course had not been followed with regard to the 15 suspected foundations. The allegations as to malversation could therefore only be considered as the expression of opinions to be tested by subsequent enquiries which the local officers were requested to make. The first business of the Committee on re-assembling will be to consider the result of these enquiries.

3. Four of the fifteen endowments are situated in the Patna Division, and are dealt with in Mr. Halliday's report dated the 16th November, a copy of which is circulated herewith. The original information on the subject was given by Moulvie Khoda Buksh, Government Pleader of Patna, the local committee being reported to be indifferent. The allegation of misappropriation of educational funds has not in any instance been substantiated. The persons in possession of the land said to appertain to two of the foundations claim to be private owners of the estates, and deny the existence of any trust; and nothing has been found to show that such trusts exist. The copy of the *touleutnamah* of the third (the original document is missing) contains no provision for education. The *touleutnamah* of the fourth institution, that of Jafri, indicates that the foundation is primarily religious, but contains some reference to education, the land being left for the support of the trustee, the repairs of a mosque, khankah and tombs for charity to poor travellers, pupils, preachers and criers; and for the pay of the sweeper of the mosque. There is a specific allowance of one-tenth to Moulvie Ashruf Ali, provided he resides in the khankah and there teaches boys. Evidence taken by the Sub-divisional Officer of Behar indicates that the teaching contemplated is religious, and there is nothing to show that it is neglected. As to the four Patna cases, I would therefore say that the allegation of the diversion of educational funds has not been in any way supported, and is to a certain extent disproved.

4. The reply of the Burdwan Commissioner, dated the 9th November, circulated herewith, shows that nothing has been ascertained with regard to the seven endowments previously reported as diverted to improper uses in his division. They lie in the Midnapore district, and the report of the Magistrate on the subject has not yet been received.

5. Four of the endowments are situated in Balasore, and the Commissioner of Orissa, with his annexed memorandum, dated the 28th October 1886, forwards a copy of a letter from the District Collector, stating that the allegations of malversations "do not rest on any tangible grounds, and therefore are not capable of formal investigation and enquiry."

6. In addition to these specific allegations, there was a general statement made by the Collector of Noakhally, and noticed in paragraph 7 of our preliminary report,—that there were many endowments in his district of a mixed character, partly religious and partly educational. He was asked to supply some typical instances of such foundations, and has since been reminded of the matter; but no reply has as yet been received.

7. The correspondence forwarded with the Commissioner of Burdwan's letter annexed, dated the 9th November 1886, adds 16 new endowments to our list. As to five of these, it is alleged that no education is at present given, though the foundation is in part educational. The *touleutnamahs* are not forthcoming, and no evidence is offered, either that these were educational endowments, or that no education is given. Mr. Beames raises a question which the Committee will have to consider, as to whether *talim'ilm* means a religious student, or simply a student. The matter is of importance, as on the construction of this word the religious or secular character of several foundations is said to depend.

8. An interesting letter from the late Commissioner of the Rajshahye Division, No. 204Mcr., dated 2nd July 1886, is annexed. It adds three endowments to our list, and mention is also made of others, though the form in respect to them is not filled up. The report of Moulvie Abdus Soban is valuable as giving the history of the Bagha and Nattore endowments. In these cases it seems that the trustees are bound to keep up madrasahs, and that they perform this obligation; but that they spend less on education than was done formerly. There is no specified bequest for education, as distinct from the maintenance of the old religious institutions which formed the primary object of the grants.

9. Although several reports are still due—in particular from Burdwan and Midnapore—it is not probable that the new information will differ much in character from the old; and the members of the Committee are now in a position to proceed to the second part of their task,—the consideration of any legislative or executive measures which might be taken with advantage for the protection of Muhammedan educational endowments. Our enquiry shows that there are in Bengal 80 foundations purely educational, or at least secular, in character, and that they are all of modern origin. It has extended also to some 60 ancient endowments, supposed to be, at least to some extent, educational. It shows that they were

all founded ostensibly with a view to the maintenance of some mosque, khankah, or mausoleum for the benefit of religion. The maintenance of the manager, who was generally the founder, and of his family, was most frequently an object which, though not prominently put forward, was guarded with care. In some instances, indeed, the foundation may be regarded as an expedient for creating a perpetual entail, and in that aspect very ingeniously adapted to its purpose. We have not discovered any ancient foundation exclusively, or even primarily, secular in character. The Bohar endowment, Burdwan Division, is entered in our list as "partly educational, partly charitable;" but on reference to the *touleutnamah* I find that it was established for the maintenance and lighting of a mausoleum. The educational element in old endowments is introduced by some clause in the deed prescribing the imparting of instruction to students, generally described as *talim'ulim*, or by the fact that, without such written obligation to do so, the manager has in fact maintained a madrasa, or pupils. The Mohsin endowment is the most striking instance of a foundation which has been devoted to education, though the original deed gave no hint of such an intention in the breast of the pious founder; it happened to come under Government management, and the funds were employed in the way supposed to be most useful. The *touleutnamah* also provide occasionally for two other forms of charity—doles to the poor, and the support of travellers by erecting *serais* or otherwise. Though such acts are not strictly religious, they accord with the Muhammedan, as they do with the mediæval Christian, ideal of a religious institution, an endowed mosque being considered, I understand (some members of the Committee will be able to correct me if I am wrong in this) not merely a place of worship, like a church open only on Sundays, but also a suitable place for imparting instruction of a certain class, for the relief of the poor, and particularly of travellers who may be supposed to be pilgrims.

10. Our enquiry fully substantiates the assertion that there is great danger of the perversion to private uses of ancient endowments. In some instances a part of the *wakf* land has been sold or otherwise permanently alienated. Modern educational endowments, as far as we have ascertained, appear to be looked after with due care.

11. These, I understand, are the broad facts with regard to Muhammedan endowments, and I need not point out that they indicate difficulties greater than those felt in dealing with charitable foundations in England. The manner in which secular trusts grow out of, and are intermixed with, the main religious object of ancient endowments, and the hereditary claim of many persons to the management of the foundation, and to maintenance on an undefined scale out of the proceeds, render it a delicate task to interfere for the protection of worldly and public interests without disturbing religious or private rights. Two members of the Committee, who were engaged in the recent litigation as to the Sasseram endowment, will be able to explain these difficulties in detail.

12. Such being the facts with which we have to deal, it remains to state the proposals which have to be considered. I give those suggested by the correspondence, and members may probably wish to add others—

(1.)—Nawab Meer Mahomed Ali, in the annexed memorandum, suggests the formation of a standing committee for the supervision of secular or educational endowments. All the subsequent proposals assume the appointment of such a body, and deal with its functions.

(2.)—The number of the Commissioners of which such a Committee should be composed has to be considered, and the method of their appointment.

(3.)—Should this Committee deal only with secular as opposed to religious educational funds, and, if so, how are the two to be distinguished? An education designed to qualify the pupil for teaching or ministering religion is generally considered religious; but in the case of Muhammedans the subject is complicated by the absence of a separate class of priests.

(4.)—Should the Committee deal only with educational funds, or with all the secular funds of endowments, including those devoted to charitable doles and to the maintenance of travellers?

(5.)—The Endowed Schools Act of 1869 gives the Charity Commissioners in England power to apply to education, with the consent of the governing body, the funds of trusts made before 1800 for doles, marriage portions, loans, apprentice fees, &c. Mr. Beighton, Judge of Moorshedabad, commends this system for imitation in India. The practical effect would be to render available for education funds now devoted to doles and to the maintenance of *serais* for travellers. In England there is a strong feeling against what was once considered the most obvious form of charity—doles of money or food to the poor; but this sentiment is connected with the system of poor law relief prevalent in England, and may not be applicable to India.

(6.)—Should the Committee possess powers of inquisition, and, if so, what powers? The grant of such powers is strongly recommended in many of the reports. The suggestion in our preliminary report is that the Commissioners might be empowered to call for title deeds of any lands credibly alleged to be held in trust for educational purposes, to summon and examine witnesses, and to delegate these powers to any local Committee presided over by a District Collector.

(7.)—Should the Committee have the power to call for accounts, and, if so, of what endowments—of educational purely secular endowments, or of mixed endowments also? And is an endowment to be considered subject to the obligation of rendering accounts where it is exclusively religious according to the foundation deed, but in practice the funds have been in part applied to secular purposes? The case has to be considered of the Bohar

endowment, Burdwan, in which the matwali refuses to render accounts on the ground that "it is quite clear that the calling for an account respecting the endowment is an act of interference which the firman does not allow." In some instances the founder has left everything to the discretion of the manager and does not seem to have contemplated a call for accounts. In the case of Ghugudanga, Dinagepore, reported in the Commissioner of Rajshahye's letter dated 2nd July 1886, it would seem that the donor simply made a property worth Rs. 50,000 a year *wakf*, providing, among other objects, for the institution of a madrasa, but never in fact founded the madrasa. A similar case is noticed in Chittagong where the *wakf* seems to have been made in fraud of creditors. Where such is the intention, no precise sum is named for the support of the institution, and it will be difficult to say for what amount an account has to be rendered.

(8.)—Should the Committee have power of itself to remedy abuses, or merely to bring a suit in the Civil Courts with that object? The right to sue only was at first given to the Charity Commissioners in England; but direct power of control was vested in them afterwards in respect to endowments of less than the annual value of £100. In this country a Committee would be met at every step by the plea that the endowment was religious, or that it was purely property.

(9.)—Should the Committee be vested with the power conferred on the Charity Commissioners by the Endowed Schools Act, to make schemes for the management of schools without the consent of trustees, and, if so, should the confirmation of Government be required to such schemes, as that of the Privy Council is required at Home?

(10.)—In England all endowment funds are vested in the official trustee, and his consent is necessary to the transfer of land. Should the land of all secular endowments be entered in the name of the Committee, and their consent be necessary to the validity of all sales or leases for more than 20 years? There are many complaints in the correspondence of the alienation for private purposes of *wakf* lands; and these transfers acquire validity by lapse of time. It is alleged that the Civil Courts are inclined to deal leniently with the claims of purchasers of such lands.

(11.)—Mr. Beighton suggests that trusts should be placed under Committees elected by local bodies, such as municipalities. He considers the objection that these bodies are Hindu of no great weight.

(12.)—Mr. Beighton also proposes to abolish the distinction between public and private trusts, making the latter, like the former, subject to the supervision of the Committee.

(13.)—Should power be given to the Courts to dismiss an hereditary matwali for mismanagement? It is understood that this is not done at present.

(14.)—Should the Committee be entrusted with the management of the Mohsin Fund, as suggested in our preliminary report?

(15.)—From what source are the expenses of the Committee to be met?

(16.)—Should District Committees be formed, and, if so, should they be in addition to the Central Committee?

These points, with any other which members may suggest, may, with the consent of the President, be considered at the next meeting of the Committee.

P. NOLAN,

Secy., Muhammadan Educational
Endowments Committee.

CALCUTTA,
The 4th December 1886.

PILGRIMAGE TO MECCA.

The 6th January 1887.—The following Notice is republished for general information.

COLMAN MACAULAY,

Offg. Chief Secy. to the Govt. of Bengal.

PUBLIC NOTICE.

ALL persons proposing to make a pilgrimage to Mecca are hereby warned that they will be required by the Turkish Government to perform quarantine for at least 10 days on the Island of Camaran before being allowed to go on to Jeddah, during which period the pilgrims will have to provide for all their expenses. They should, therefore, make certain, in taking their passages, that the steamer starts so as to arrive at Jeddah in time for the Haj, after making due allowance for the detention at Camaran. During the quarantine at Camaran the Turkish Government require the pilgrims to pay certain fees, besides arranging for their own provisions, and ships which have evaded quarantine are not allowed to land their pilgrims at Jeddah.

Pilgrims are, therefore, warned that before starting they should see that they have sufficient funds for the expenses of quarantine and of the Haj, and for their journey back to India. The Mahomedan Vice-Consul at Jeddah, Abdur Ruzzak, suggests that each pilgrim should have at least Rs. 300 with him when he leaves India, after having paid his passage to Jeddah. No pecuniary assistance can be obtained from the British authorities at Jeddah.

Intending pilgrims should apply to the Protector of Pilgrims, Bombay, and to the Port Officer at other ports, for information as to the latest safe date for sailing.

HOME DEPARTMENT,
SANITARY,
Simla, the 3rd July 1884. }

A. MACKENZIE,

Secretary to the Government of India.

REPORT OF THE AGRICULTURAL DEPARTMENT, BENGAL.

REVENUE DEPARTMENT—AGRICULTURE.

Calcutta, the 11th January 1887.

RESOLUTION.

REPORT of the operations of the Agricultural Department of Bengal, from the date of its creation to the end of July 1886.

READ—

A Report from the Director of the Agricultural Department, Bengal, No. 510T, dated 15th October 1886.

The appointment, for a period of two years, of a special officer to advise the Lieutenant-Governor on all matters relating to agriculture and statistics, to undertake preliminary enquiries in connection with the experimental survey in the Patna Division, and to assist in obtaining detailed information required by the Secretary of State as to Government and Wards' estates, was sanctioned by the Government of India in a letter No. 433A, dated the 28th May 1884. On Mr. Finucane's return from furlough at the end of December 1885, he was selected to be the Director of the Agricultural Department for the performance of these duties, and was at first employed mainly on pressing work in connection with the Bill which subsequently was passed as the Bengal Tenancy Act. On the 2nd May 1885 a Resolution was issued, defining, as far as was then possible, the functions of the newly created office. It was stated that Mr. Finucane's work would be of two kinds—agricultural research, including the arrangements for the experimental survey in Mozufferpore district, and for the maintenance of the results obtained by a system of village records, as also the collection of the returns of the prices of food-staples required by the Bengal Tenancy Act; and agricultural improvements, to be undertaken with the co-operation of such societies, as the Agri-Horticultural and the Zoological, of local Committees, and of such landowners or farmers as might be good enough to lend their assistance. In regard to duties of the first class, he was placed under the control of the Board of Revenue, and directed to report to them; while his efforts for agricultural improvement were to be made under the direct orders of Government in the Revenue Department. The services of Mr. Allen, c. s., placed for one year in charge of the Government estates of Shahabad, of Mr. Ambica Churn Sen, c. s., and Mr. Saklawat Hossein, Deputy Collector, all graduates of the Cirencester College, were placed at his disposal, so far as this could be done without interfering with their other duties. The department thus created was sanctioned for a limited period only, but the Lieutenant-Governor never doubted that its work would be such as to demonstrate the necessity for retaining it as an essential part of the permanent administrative system of Bengal.

2. The present report refers to the period from the date of Mr. Finucane's delegation on special duty, and more particularly from May 1885 to the end of July 1886. Assuming that the department will be retained, the Lieutenant-Governor considers that future annual reports should be for the official year, and that, in so far as they relate to work classified as agricultural research, they should be submitted through the Board of Revenue. This is the more necessary, as it is probable that the department, in its future development, will be mainly employed in the supervision of surveys and settlements—work in which the complete control of the Board is essential.

3. Sir Rivers Thompson has long entertained the opinion that for the adequate protection of the several interests of those connected with land in these provinces, whether as owners, as the holders of intermediate tenures, or as cultivators, legislative measures are by themselves insufficient, and should be supplemented by the preparation and preservation of a full record of rights, founded on an accurate survey. Such a record

Experimental survey in Mozufferpore district.

ensures the punctual collection of rents really due, and at the same time prevents the illegal and irregular exactions which have long impeded agricultural progress in Bengal. In accordance with these views, provision was made in the Bengal Tenancy Act enabling the Local Government, with the previous sanction of the Governor-General in Council, to direct that a survey be made, and a record of rights prepared, in respect of any local area, and an order of the kind contemplated by the law was passed for the survey of all lands included within the external boundaries of pergunnah Guddesswar and Tuppahs Chukla Nyc and Butsuleh in the district of Mozufferpore. The operations undertaken were of an experimental nature, to be subsequently extended to a wider area, if found to be successful. Four hundred and thirteen square miles were surveyed up to the end of July, and a record of rights was made in respect to the holdings of 26,123 ryots, classified as follows:—

	No.	Percentage on total.
Cultivating tenure and undertenure-holders ...	12	0.04
Ryots at fixed rates ...	948	3.63
Settled ryots ...	21,750	83.26
Occupancy ryots, but not settled ...	250	0.96
Non-occupancy ryots ...	1,608	6.16
Under-ryots ...	1,555	5.95
	26,123	100.00

4. The result of this tentative measure, so far as it has gone, shows that the average area held by a ryot was three acres. The cost of survey was nearly 9 annas an acre on the area surveyed, but this included certain initial expenses, and the Director of the Agricultural Department estimates that the total cost of survey and settlement would not, at the conclusion of the work, exceed 8½ annas an acre, which he describes as a tenth part of one year's rent—certainly a moderate price to pay for a permanent record securing the interests of all parties. There was neither opposition to the survey, nor friction in carrying it out. The Lieutenant-Governor considers that this work has been ably and successfully executed, under the supervision of the Director of the Agricultural Department, by Colonel Barron and Mr. Edward Collin. It will be of permanent value, both as a monument of local rights, and as a proof that the province generally may be protected by an accurate survey and a record of rights with little trouble, and at a cost moderate in proportion to the area dealt with.

5. In his advocacy of surveys, the Director goes so far as to maintain that, without some such measure, the Bengal Tenancy Act will be altogether inoperative in Behar, and that it will leave the cultivators absolutely at the mercy of the owners of land. He has spoken so strongly on the subject, that it seems necessary to note that his views are not identical with those frequently expressed by the Bengal Government. That no law, unsupported by executive action, can completely and satisfactorily settle the relations between landlord and tenant in that Province is most true; but in supporting this position, it is not necessary to assert that no effect whatever can be produced by the law now administered through the Civil Courts. The latter opinion seems connected with a mistaken view of the origin and nature of the power of the Behar zemindars, who have, in most cases, no feudal or other influence, and derive such strength as they possess entirely from the law. It has frequently been noticed that the proprietors most potent for evil are pleaders, mooktears and other new men, who have recently purchased estates, over the residents on which they neither can nor do possess any influence beyond that which they gain, directly or indirectly, from their legal rights, as construed by the Courts. How extensive these legal powers were appears from the statement made by the Behar Rent Committee of 1879, that an examination of the jumabundee papers of Behar estates showed that less than one per cent. of the ryots had tangible evidence of occupancy rights, and that of the remaining 99 per cent. it was doubtful whether even one could prove the possession of such rights. Those who were not able to show a title as occupancy ryots, that is to say, the main body of the cultivators, were held by the Courts to be either tenants for short periods under leases, or more generally tenants-at-will: and to these the old law gave no power to contest any rent the

zemindar might demand, unless they were willing to abandon their holdings. The very completeness of the power which, under the law, the landlord possessed over tenants-at will, or tenants holding on short leases, obscured its origin, and, as it was not exercised according to law, few could realize that it was founded upon, and supported only by legislative enactments. The zemindars themselves—and they have expressed their views clearly and frequently—have always shown that they understand this position, and have displayed none of the Director's indifference to legal rights. They at least have never failed to realize that their power, however great its extent, and however illegally it might on occasions be exercised, was derived ultimately from the law, and could therefore be altered or diminished by law. The change effected by the new Act is illustrated by the fact that, on the area surveyed, not one per cent., but 88 per cent. of the ryots have proved that they possess occupancy rights, or a position even superior to that of occupancy ryots. Though the Director comments on the limited sale in Mozufferpore of the new forms of receipts for rent, the use of which is a test of the extent to which the Bengal Tenancy Act is being enforced, it appears that no less than 221,800 specimen forms were sold in that district before the end of June 1886, that is within nine months of the introduction of the law, and that purchases were also made for use in the district from private firms in Mozufferpore town and in Calcutta. It may further be noted that what is true about Mozufferpore upon this point is clearly established all over Bengal. The number of holdings in the district of Mozufferpore is not known, but that of agriculturists is 453,570 according to the last census. The Lieutenant-Governor would wish, in the interests of the zemindars as much as in those of the tenants, that the rights and liabilities of all classes under the new order could be ascertained and recorded, as they have been in the selected area; but even without this supplemental work there can be no doubt in his opinion that the Act, which so greatly facilitates the proof of occupancy rights, that is of fixity of tenure at judicial rents, which substitutes the open sale of such rights for eviction in case of default of payment, which withdraws the power of distraint otherwise than through the Courts, and generally curtails the power of the landlord to inflict annoyance under the form of law, will prove a real and substantial defence to the ryots against illegal encroachments. The *guzashta* and other ryots of Behar, who possessed substantial privileges under the old law, were able to defend their position, and their attitude gives no countenance to the allegation that, when cultivators really have rights capable of proof in court, they nevertheless submit tamely to extortion. In this Sir Rivers Thompson is happy to be able to adopt the language used by the late Secretary of State who, in his despatch No. 24, dated 23rd June 1885, wrote: "Upon the arguments urged against the provisions of the Act from the point of view of the tenant, I would remark that, though the Act may not confer upon the tenants all the advantages to which some may have deemed their class entitled, I have no doubt that it will prove in a high degree beneficial to the ryots generally, especially to the most numerous and important class—the settled ryots—whose claims are also the strongest."

6. A great number of agricultural experiments were made under the skilled

Agricultural improvements.

supervision of the Cirencester graduates, and with the co-operation of zemindars and cultivators, particularly of the Maharajah of Dumraon, Mr. Burrows of Beheea, and Moulvie Fazl Imam of Patra. A programme of experiments to be tried during the present year has been arranged with the Agricultural and Horticultural Society. In Bengal more, perhaps, than in other parts of India, there exists a large class of educated men connected with agriculture by their daily pursuits, and ready, when properly approached, to work with official experts for the purpose of ascertaining facts, testing supposed improvements, and diffusing useful information. In this respect Bengal is probably the most promising field yet opened to the Agricultural Department. The readiness with which any real improvement is accepted by the ryots in these provinces is illustrated by the fact that they have bought from the department 564 of the ploughs invented by Mr. Sen and Mr. Ritter Von Schwarz, and ordered 400 more, though the in-

strument has not as yet been perfected, and its sale is therefore not pushed. As instances of successful experiment, the Director makes the following remarks:—

“As examples of what may be effected in this way, it may be here mentioned that Mr. Sen’s report shows that in the Burdwan Division oil-cake is largely used by ryots as a manure in the cultivation of paddy with excellent results, while in many other parts of the country the practice is unknown. Similarly, the system of green manuring by ploughing in a crop of indigo, *sunn*, or *dhaincha*, of which a good deal has been written, is found to be actually practised by ryots in parts of Burdwan and Hooghly, in the Jamalpore sub division of Mymensingh, and it may be practised in other places also. Again, the Mauritius system of cultivating sugarcane, the superior advantages of which have been tested by experience and strongly recommended by Messrs. Mylne and Thompson of Beheea, is known and practised on the banks of the Damoodar and among the market gardeners in the neighbourhoods of Dacca and Calcutta. All the practices just mentioned are, on the other hand, unknown in the Bhagulpore and in the greater part of the Patna Divisions. A special department, even if it eschewed western innovations on existing practices altogether, can do much good by introducing in such places as Bhagulpore and Patna the practices proved by experience to be beneficial in Burdwan or Mymensingh. To take another example of the same thing, it may be mentioned that efforts have from time to time been made to improve the quality of Bengal wheat, by introducing seed from Mozuffernagar and Delhi in ignorance of the fact that the very best wheat in all India, known as Buxar No. 1 club, is largely produced and exported from the Buxar and Sasseram sub-divisions of Bahabad in Behar. This species was appraised by the Committee of the Calcutta Wheat and Trades’ Association, and was compared with the grain produced in the neighbouring division of Bhagulpore, and found to be 4 annas per maund superior to the latter in value. The Buxar seed was accordingly introduced into Bhagulpore, and yielded a grain described by the Committee of the Wheat and Trades’ Association to be a “splendid description of wheat—soft, mellow, bold, regular, and of good colour”—and 6 annas a maund superior in value to the local Bhagulpore grain. Applications for some hundreds of maunds of Buxar seed have since been received from various landholders in the Bhagulpore and other divisions for experimental cultivation of species. Here inquiry and knowledge of the facts elicited by it has shown the way to one very tangible and important improvement.”

7. Mr. Allen, in his valuable report attached to that of the Director, notices that the sole exception to the preservation by the cultivators of all sources of manure is the waste of bones, the best substance for restoring the phosphoric acid which every crop takes out of the soil. The bones were formerly suffered to lie where they might be of some little use, but are now collected gratuitously, ground into meal at Bally and elsewhere, and exported to Europe to the great detriment of Indian agriculture. Mr. Allen writes:—

“The only way to bring home to him (the cultivator) the folly of wasting this manure is to shew the improved outturn from crops which have been manured with bones. The quickest means of rendering bones soluble and effective is to dissolve them in acid, but the process is too costly for adoption by the ordinary farmer. Accordingly, I proceeded to ferment bones in various places, and these will be applied to crops not only at the demonstration farms under my charge, but in a number of villages under the Court of Wards. It is to be hoped that the increased outturn, and the ease with which this manure can be prepared, may overcome caste prejudices, but of this it would be unwise to speak too confidently. In one case I induced an intelligent zemindar, Moulvie Fazlar Rahman of Dunri, to manure his beet-root with some bones which he had buried some years ago. The result was that he obtained finer roots than he had grown heretofore, but they were literally unsaleable in the local bazar solely because they had been manured with bone. No such prejudice was shown at Arrah against the wheat which I had grown there on land similarly treated, so the experiments will be continued with the field crops, though the effect of bones is usually more apparent when applied as in Europe to root crops.”

8. Greater success has been obtained in the Burdwan district, as stated in the following passage of the Director’s report:—

“Bone-meal was distributed in small quantities among selected talookdars in Burdwan, and was used as manure on rice and other crops, with beneficial results. Brahmins are now glad to take it in their cloths, with their own hands, though perfectly aware of what it is they are taking. The pundits have declared that there is no harm in their doing so. Already small quantities of this manure have been purchased by ryots and talookdars, who have had an opportunity of observing the benefits resulting from the use of it, and Mr. Sen reports that there will be no difficulty in disposing of large quantities of it, for manureal purposes, when the next paddy crop is being sown.”

9. Owing to the absence of a village agency—a want which affects the Government of Bengal in every effort towards administrative reform—it is impossible to prepare for Bengal returns of the area sown with each crop, as is done in other provinces.

On the other hand, the residence in the interior of almost every district of skilled men engaged in agriculture or trade, and willing to supply information, enables the Director to afford, as to the probable outturn of crops, information of the character on which traders are accustomed to act. His forecast of the jute crop, founded on the reports of some hundreds of skilled correspondents, has been favourably noticed by the Dundee Chamber of Commerce. He also supplied a valuable report on wheat and its adulteration, which may be of use in the trade.

10. An Agricultural Show was held at Dumraon, in the district of Shahabad, in February 1885, and another at Barrahpore, in the same neighbourhood, in February 1886.

Agricultural Exhibition.

Of the first of these annual gatherings, the Director writes:—

“One useful result which followed the Dumraon Agricultural Exhibition was that the Maharajah of Dumraon, with a laudable desire to test the value of improved methods of cultivation, opened out on his *sirat* lands the experimental farm already described.

“There was considerable competition in exhibits of grain, millets, pulses, and oil-seeds.

“The ryots at the Exhibition asked for samples of the best varieties of some grains which were not produced locally, viz., white varieties of linseed, gram, janera, and peas, and some fine qualities of paddy. They also took much interest in the awards for wheat, and on the recurrence of a similar Exhibition last cold weather in the neighbourhood at Barrahpur, some of the ryots who had received prizes at this Exhibition, but failed to do so at Barrahpur, questioned the propriety of the awards and seemed to be keenly interested in the results. If these Exhibitions are continued, and the cultivation of the better kinds of grain is thus fostered in Shahabad,—the district which has taken the lead of all others in attempts at agricultural improvement,—the cultivators on Government estates may be induced to grow *pedigree* wheat for seed alone.”

As to the second, he states:—

“An Agricultural Exhibition was held at Barrahpur near Dumraon at the end of February 1886, and as I was present at it myself, I can testify to its having been a successful one. It was largely attended; the ryots took much interest in the proceedings. Mr. Power, the Collector, Mr. Jenkins, the Sub-divisional Officer, Mr. Allen, and the Executive Committee, took great pains in organizing this Exhibition, which they attended at much personal inconvenience. It was held in connection with a local *melâ* in a somewhat out-of-the-way place, and was not accompanied by any of the social festivities which sometimes make these gatherings attractive.”

11. Sir Rivers Thompson hopes to be able to attend the Show which is to be held at Dumraon next February, and to judge for himself as to the utility of what under the Maharajah's auspices has become an annual institution. Under skilled supervision, and when supported by the public, such Shows produce excellent results, in diffusing agricultural knowledge, and in attracting the sympathy of the wealthy and intelligent classes to the details of the most general and indispensable of industrial pursuits.

12. An Exhibition took place at Kissengunge, in Purneah, in January 1886, at which there was a ready sale for axes, sickles and bill-hooks exhibited by Messrs. T. E. Thomson and Company. A demand has since arisen for the seed of superior class of potatoes exhibited. There were Exhibitions also organised without European aid in the Backergunge and Noakhally districts.

13. The Lieutenant-Governor desires to thank Mr. Finucane for zealous efforts in starting the Agricultural Department in Bengal and his efficient management of it since its establishment. Messrs. Allen, Collin, and Sen have materially contributed to its success by their co-operation. He also notices with pleasure the favourable mention made by the Director of the services rendered by gentlemen unconnected with the department.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Offg. Secretary to the Government of Bengal.

THE IRON WORKS AT BARAKAR.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

GENERAL—ACCOUNTS.

Dated Calcutta, the 11th January 1887.

The following list of articles that can be manufactured at the Iron Works at Barakar is published for information.

By order of the Lieutenant-Governor of Bengal,

W. B. BESTIC,

Under-Secretary to the Government of Bengal,

P. W. Dept.

List of Articles that can be manufactured at the Iron Works at Barakar.

Number of items.	NAMES OF ARTICLES.	Rate per cwt. at Barakar.			REMARKS.
		Rs.	A.	P.	
1	Pipes (socket), cast-iron ...	4	0	0	Faced joints and drilled bolt holes.
2	Flange pipes, ditto ...	6	0	0	
3	Special piping (bends, tees, &c.) ...	from 7	0	0	
4	Cylinders ...	7	8	0	
5	Pillars and brackets ...	7	8	0	
6	Girders ...	7	8	0	Per cwt.
7	Chairs for rails ...	3	4	0	
8	D. O. sleepers (cast-iron parts), metre gauge ...	3	4	0	
9	D. O. sleepers (cast-iron parts), broad gauge ...	3	2	0	
10	Road-rammers ...	5	8	0	
11	Railings ...	from 4	8	0	Per gate.
12	Gates ...	8	0	0	
13	Monkeys ...	5	0	0	
14	Weights (cast-iron) ...	from 5	0	0	For metre gauge railways. For broad ditto.
15	Anvils ...	8	0	0	
16	Axle-boxes, cast-iron parts only ...	6	0	0	
17	Ditto ditto ditto ...	6	8	0	
18	Fire-bars for engines ...	from 5	0	0	
19	Trolley wheels, faced ...	7	0	0	Per piece.
20	Ploughs (complete) ...	from 3	12	0	
21	Ditto (cast-iron parts only) ...	4	0	0	
22	Hand water-lift ...	from 1	2	0	Ditto.
23	Water-lift for bullock power ...	1	10	0	
24	Castings (cast-iron), of sorts ...	from 30	0	0	
		90	0	0	Per cwt., according to weight per piece, complication of pattern, and quantity ordered.
		3	8	0	
		20	0	0	

N.B.—Further particulars may be obtained from the Superintendent of the Iron Works at Barakar.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 8th January 1887.

No.	District and date of return.	Rainfall at Sudder station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts.</i>			
BUREWAN DIV.	1 Barwan, Jan. 8, '87	Nil	Weather—seasonable. <i>Rubbee</i> doing well. Price of rice 23½ to 29½ annas per rupee. Public health fair.
	2 Bankura, " 8 "	0.05	Weather—not seasonably cold. A light shower of rain fell at Sudder on the 7th instant, and will do some good to the standing crops. <i>Amun</i> harvest is finished. Prospects of <i>rubbee</i> continue favourable. Prices stationary. Public health good.
	3 Beerbhoom, " 8 "	0.55	Weather—cold; shower at close of week. Harvesting of <i>amun</i> has well advanced; outturn good. Recent showers will benefit <i>rubbee</i> crops. Price of rice still falling. Cholera has partially abated.
	4 Midnapore, " 8 "	0.31	Weather—variable; rain on 7th and 8th. <i>Amun</i> harvest practically over except in Contai sub-division; yield quite up to average. Public health normal.
	5 Hughli, " 8 "	0.35	Weather—seasonable; slight rain on the 7th and 8th. Harvesting of <i>amun</i> nearly completed. <i>Rubbee</i> prospects satisfactory. A few cases of cholera.
	6 Howrah, " 10 "	0.75	Heavy rain on Friday evening and Saturday, otherwise weather seasonable. Rice harvest highly satisfactory.
<i>Central Districts.</i>			
PRESDENCY DIV.	7 24-Pargan., Jan. 11, '87	1.20	Weather—seasonable. Harvesting of <i>amun</i> still continues; outturn expected to be above the average. Other crops promise well. Public health has improved, fever being less prevalent everywhere.
	8 Nuddea, " 8 "	0.07	Slight rain on the night of 7th. Prospects of spring crops good. Cholera decreasing everywhere.
	9 Khoolna, " 8 "	0.12	Weather—seasonable; a little cloudy. <i>Amun</i> rice nearly harvested; outturn satisfactory. Public health good.
	10 Jessore, " 8 "	0.28	Weather—cold; slight rain at the latter part of the week. Harvesting of <i>amun</i> not yet finished. <i>Rubbee</i> crops doing well. Fever and cholera continue.
	11 Moorshedabad, " 8 "	0.19	Weather—seasonable; rain on 7th. <i>Amun</i> is still being harvested; outturn good. Prospects of winter crops good.
	12 Lallugh Kandi, " 8 "	0.44	0.10
RAJSHAHIE DIV.	13 Dinapore, Jan. 7, '87	Nil	Weather—fair; lately cloudy, but no rain. Prospects of <i>rubbee</i> crops good. Harvesting of rice and sugarcane finished. Rice 21 to 29 annas per rupee. Cholera reported from Chintamon and Kutwali thanas.
	14 Rajshahye, " 8 "	0.28	Weather—colder since beginning of this month. Prospects of spring crops good. <i>Amun</i> harvest nearly completed. Fever abated. Some cholera in south-east of district.
	15 Raugpore, " 8 "	.....	Weather—very cold. A heavy shower of rain with hailstones on the morning of 8th has seriously injured the tobacco crop. Harvesting of <i>amun</i> about to be finished. Mustard and potatoes are being gathered. Public health improving.
	16 Hooghly, " 8 "	0.50	Weather—cold; rain on morning of 7th, and since then cloudy. Harvesting of <i>amun</i> nearly finished. Winter crops doing well. A few sporadic cases of cholera still reported.
	17 Pabna, " 8 "	0.27	Weather—cold; cloudy from 4th to 7th. Rain on the 7th. <i>Amun</i> crop nearly harvested. Winter crops promising. General health good.
	18 Darjeeling, " 8 "	Nil	Ordinary cold weather. Prospects of crops good.
DACA DIVISION.	19 Julpigore, " 8 "	Nil	Weather—cold and foggy. Harvesting of paddy drawing to a close. Winter crops doing well. Public health good.
	<i>Eastern Districts.</i>		
	20 Dacca, Jan. 8, '87	Nil	Weather—cold and foggy. Prising of sugarcane has commenced. Planting of <i>boro</i> paddy going on. Winter crops doing well. Prospects good. Sporadic cholera still prevailing in various parts of the district.
	21 Furraddi, " 8 "	0.20	Weather—cold and rainy. State and prospects of crops good.
	22 Goalundo, " 8 "	slight rain.	
	23 Backergunge, " 6 "	Nil	Weather—seasonable. <i>Amun</i> paddy is being harvested. Fever prevailing all over the district. Cholera and a few cases of small-pox reported from some stations.
CHITTAGONG DIV.	24 Mymensingh, " 7 "	Nil	Weather—fine till the morning of 7th, when there was a storm and it became cold and damp. Transplanting of <i>boro</i> rice has begun. Harvesting of <i>amun</i> rice continues. Prospects good.
	25 Chittagong, Jan. 11, '87	0.03	Weather—variable. Reaping of <i>amun</i> nearly over. Winter crops promising. Prices steady. Public health good.
	26 Noakhali, " 7 "	Nil	Weather—seasonable. <i>Amun</i> rice nearly harvested; outturn very good. Cholera is being transplanted. Ground is being prepared for <i>mug</i> and sesamum. Cholera less frequent. Some cattle-disease.
	27 Tipperah, " 6 "	Nil	Weather—cold and clear. <i>Amun</i> harvest is reaped; outturn on the whole is below the average. Betelnuts and coconuts are coming into market. The old betelnut trees have not been damaged by the floods, but many young plants were killed. <i>Boro</i> paddy is being transplanted. Prices of food-grains higher in the north than in the south. A good deal of cholera reported.
	28 Chittagong Hill Tracts, " 4 "	Nil	Weather—very cold with fogs up to 10 A.M. Mustard, tobacco, and other cold-weather crops doing well.
	29 H. Tipperah, " 5 "	Nil	Weather—cold. <i>Amun</i> paddy continues to be reaped. Cotton and <i>til</i> gathered; outturn fair. Sugarcane doing well. Public health good.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.			
PATNA DIV.	26 Patna, Jan 8, '87	0.08	Weather—clear, except on 7th, when it was cloudy accompanied with some showers in the evening and at night. Prospects of <i>rubber</i> and poppy continue good, and rain will prove beneficial to both of them. <i>Rahar</i> and cotton promising. Public health generally good.
	27 Gaya, " 8 "	0.15	Weather—cool. Last two days cloudy. Prospects of <i>rubber</i> good. *Poppy plants good. General health good.
	28 Shahabad, " 8 "	Nil	Prospects of <i>rubber</i> crop favourable. Easterly winds and cloudy weather are injurious to poppy. Public health fair.
	29 Darbhanga, " 8 "	Nil	Weather—foggy. Harvesting of paddy nearly over. Prospects of <i>rubber</i> crops continue very favourable. A little rain would be greatly beneficial to them. Tobacco looking well. Prices almost stationary. Public health generally good.
	30 Mozuderpore, " 8 "	Nil	Weather—clear and cold in early part of week; latterly cloudy. Rice crop is being thrashed. <i>Rubber</i> crops and poppy in excellent condition.
	31 Saran, " 8 "	Nil	Weather—cloudy, but a rain. <i>Rubber</i> and poppy doing well. Harvesting of paddy continues with favourable outturn. Public health good.
	32 Champaran, " 8 "	Nil	Weather—cool and cloudy with east wind. Harvesting of rice nearly completed. Prospects of <i>rubber</i> and poppy continue favourable. Fields are being prepared for indigo. Public health fair.
BANGALORE DIV.	33 Monghyr, Jan. 8 "	0.22	Weather—cold and cloudy at times. Prospects of <i>rubber</i> and poppy continue favourable. Rice harvesting nearly completed. Sporadic cases of small-pox continue to be reported from Begusarai; otherwise public health generally good. Prices almost stationary.
	34 Bhogtapore, " 8 "	0.23	More rain threatening. Late rice harvest nearly completed. Outturn of <i>kurhi</i> rather short. <i>Rubber</i> crops benefited by rain. Public health good.
	35 Purneah, " 8 "	Nil	Weather—cool and windy. All crops doing well. Public health good.
	36 Maidah, " 8 "	0.31	Weather—warm for the season; very fine till the 6th instant, since which it has been cloudy and somewhat stormy. <i>Rubber</i> crops doing well. Price of common rice 25 to 28 seers per rupee. Public health generally good.
	Shibgunge, " 8 "	0.42	
	Gazole, " 8 "	0.17	
ORISSA.	37 Bonthal Perga, " 8 "	0.64	Weather—cloudy and cold. Rain has done some good to standing <i>rubber</i> crops. Harvesting of paddy nearly over. Prices stationary. Many cases of measles reported from Rajmahal sub-division, and cases of fever from Sudder sub-division; otherwise general health good.
ORISSA DIV.	38 Cuttack, Jan 7 "	Nil	Weather—seasonable. Reaping of <i>sarad</i> rice continues. <i>Dalua</i> paddy is being transplanted. Sugarcane growing well. Price of rice falling. Common rice sells at 15 Cuttack seers per rupee in town and 18 to 22 seers in the interior. Fever still prevails; otherwise public health good.
	39 Poonre, " 6 "	Nil	Weather—seasonable. <i>Sarad</i> rice is being reaped. Miscellaneous crops doing well. Common rice 26 seers 7 chittacks per rupee in Sudder sub-division and 26 1/2 seers in Khurda sub-division. Fever and cholera reported from the interior.
	40 Balasore, " 7 "	Nil	Weather—rather warm for the season. Reaping of <i>sarad</i> rice still continues in places. Winter crops doing well. Fever and cholera prevail in different parts of the district.
CHOTA NAGPORE.			
South-West Frontier Agency.			
41 Hazaribagh, Jan 7, '87		0.49	A storm swept over the station on the night of 6th instant. Prospects of <i>rubber</i> and poppy crops continue excellent. Cattle-disease slightly increased. Public health is good.
42 Lohardugga, " 8 "		0.09	Weather—cloudy. Winter crops promising. Prices as before. Fever reported from Palamow; otherwise public health good.
43 Singbhum, " 7 "		Nil	Weather—very warm for the season. Paddy all harvested. Sugarcane and oilseeds are being cut with good outturn. Other cold-weather crops doing well. Cattle-disease reported in Kalkapora thana. General health good.
44 Warbhoom, " 8 "		0.32	Weather—cloudy with showers of rain. Prospects of winter crops good. Sugarcane is being cut. Harvesting of rice nearly over. Common rice 26 to 32 seers per rupee. Public health good.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 12th January 1887.P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

STOCK IN HAND AS COMPILED ON—

NAME OF WARE.	1st week of Jan. 1886.	1st week of Feb. 1886.	1st week of Mar. 1886.	1st week of April 1886.	1st week of May 1886.	1st week of June 1886.	1st week of July 1886.	1st week of August 1886.	1st week of Sept. 1886.	1st week of Oct. 1886.	1st week of Nov. 1886.	1st week of Dec. 1886.	1st week of Jan. 1887.
Balarhata	Mds. 3,02,000	Mds. 5,55,000	Mds. 10,61,000	Mds. 10,74,000	Mds. 9,87,000	Mds. 12,59,000	Mds. 9,43,000	Mds. 5,53,000	Mds. 5,06,500	Mds. 5,69,000	Mds. 3,81,900	Mds. 3,11,000	Mds. 2,89,000
Moindanga	Mds. 48,800	Mds. 95,000	Mds. 64,800	Mds. 63,500	Mds. 65,600	Mds. 61,800	Mds. 68,700	Mds. 67,300	Mds. 70,800	Mds. 54,600	Mds. 56,500	Mds. 29,900	Mds. 47,700
Chitras, Golabara, Coomer- toir, Hathkha, and Caly Ghat	Mds. 4,95,800	Mds. 4,68,000	Mds. 5,06,000	Mds. 5,32,300	Mds. 6,31,900	Mds. 6,21,800	Mds. 5,25,300	Mds. 5,65,200	Mds. 5,69,900	Mds. 6,37,400	Mds. 6,20,100	Mds. 8,48,100	Mds. 7,72,900
Pethurachatta, Posta, and Jorabagan.	Mds. 5,000	Mds. 4,500	Mds. 4,000	Mds. 7,000	Mds. 6,000	Mds. 5,100	Mds. 4,000	Mds. 3,700	Mds. 3,000	Mds. 4,000	Mds. 5,000	Mds. 4,000	Mds. 6,000
Talygunge, Chittab, Kiddlepore, and Mooshanunge.	Mds. 1,32,050	Mds. 1,10,000	Mds. 1,38,800	Mds. 1,44,900	Mds. 1,35,300	Mds. 1,46,400	Mds. 1,21,800	Mds. 1,32,100	Mds. 1,25,000	Mds. 1,26,500	Mds. 1,15,300	Mds. 1,48,400	Mds. 1,33,500
21 Minor Razas (estimated) ..	Mds. 2,40,000	Mds. 2,40,000	Mds. 2,40,000	Mds. 2,41,000	Mds. 2,40,000	Mds. 2,41,000	Mds. 2,40,000	Mds. 2,40,000	Mds. 2,40,000	Mds. 2,41,000	Mds. 2,40,000	Mds. 2,40,000	Mds. 2,40,000
Other retail shops, 3,129 in number (estimated).	Mds. 2,50,000	Mds. 2,50,000	Mds. 2,50,000	Mds. 2,50,000	Mds. 2,50,000	Mds. 2,50,000	Mds. 2,50,000	Mds. 2,50,000	Mds. 2,50,000	Mds. 2,50,000	Mds. 2,50,000	Mds. 2,50,000	Mds. 2,50,000
Moidyabatty, Nowabgunge, Bhuddemur, and Chander- nagar.	Mds. 8,108	Mds. 8,454	Mds. 7,518	Mds. 11,191	Mds. 12,048	Mds. 14,700	Mds. 14,788	Mds. 18,477	Mds. 35,752	Mds. 30,450	Mds. 28,114	Mds. 7,200	Mds. 5,089
Total	14,81,035	17,35,554	22,46,919	23,25,101	22,27,549	25,07,109	24,67,188	18,40,677	17,74,552	19,02,050	17,02,914	18,38,600	17,37,489
On Railway premises on both sides of the river.	Mds. 16,169	Mds. 2,025	Mds. 7,101	Mds. 16,843	Mds. 11,750	Mds. 5,880	Mds. 3,720	Mds. 3,088	Mds. 11,011	Mds. 6,628	Mds. 11,604	Mds. 7,218	Mds. 21,970
On boats—	Mds. 32,297	Mds. 10,024	Mds. 60,087	Mds. 29,000	Mds. 23,551	Mds. 18,005	Mds. 19,177	Mds. 36,409	Mds. 35,117	Mds. 22,114	Mds. 25,219	Mds. 39,278	Mds. 75,353
loaded	Mds. 1,11,327	Mds. 1,55,948	Mds. 1,00,322	Mds. 33,779	Mds. 19,535	Mds. 10,117	Mds. 24,386	Mds. 15,736	Mds. 36,389	Mds. 44,919	Mds. 24,291	Mds. 21,411	Mds. 78,253
Grand Total of Stocks	16,10,247	19,71,000	24,83,228	26,99,774	25,73,893	26,45,241	24,44,611	19,35,918	18,57,499	19,79,681	17,64,018	18,97,867	19,16,045
Probable stock available for exportation by sea.	0 lakhs	0 lakhs	13½ lakhs	13½ lakhs	12½ lakhs	14½ lakhs	10½ lakhs	8½ lakhs	8 lakhs	9½ lakhs	7½ lakhs	5½ lakhs	5½ lakhs

STATISTICAL DEPARTMENT.
The 10th January 1887.P. NOLAN,
(Offg. Secretary to the Govt. of Bengal.)

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

		QUANTITIES PER RUPEE IN																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU (Sorghum Vulgare.)					
Number.	DISTRICTS	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.		
BENGAL.																			
Western Districts.																			
1	Burdwan	17 4	14 4	16 0	...	...	...	20 8	20 8	11 4	26 10	26 10	16 8	...	...	...
2	Bankura	18 0	18 8	16 0	24 0	24 0	18 0	22 8	22 0	18 0	30 0	30 4	21 4	...	...	...
3	Peerbhoom	20 0	20 0	16 0	...	...	...	19 8	18 0	13 8	26 8	26 8	18 0	...	...	20 0
4	Midnapore	17 0	17 0	12 0	...	...	...	17 0	17 0	19 0 (new)	26 0	26 0	21 0	...	...	...
5	Hoochly	16 0	16 0	16 0	...	...	...	0 0	10 0	10 0	17 0	17 0	13 0	...	...	...
	Howrah	6 0	16 4	16 0	...	...	...	13 8	13 4	9 0	18 0	18 0	13 4	...	...	...
Central Districts.																			
	Calcutta	14 10	16 2	14 4	21 3	21 4	19 15	9 6	9 8	6 4	16 12	16 5	8 14	13 6	13 2	13 0			
6	24. Pargunnahs	14 4	15 0	14 0	21 4	21 4	16 0	8 0	8 0	8 0	18 4	16 13	11 8	...	...	...
7	Nuddea	16 0	16 0	13 15	32 0	32 0	...	16 0	16 0	13 64	20 0	18 0	14 8	...	...	...
8	Khoulas	...	...	...	...	...	...	17 0	17 0	14 0	21 0	21 0	16 0	...	...	...
9	Jessore	16 0	16 0	12 4	...	...	...	14 0	14 0	10 0	21 0	21 0	17 0	...	...	...
10	Moorshedabad	17 0	17 0	16 4	...	...	...	13 0	13 5	14 0	26 8	26 0	17 8	...	...	...
11	Dinapore	11 0	11 0	14 12	20 0	20 0	17 8	21 8	21 0	16 12	27 8	27 0	21 4	...	...	...
12	Rajshahye	20 0	20 0	16 8	48 0	44 0	18 0	14 0	15 12	11 4	22 8	21 12	10 8	...	...	...
13	Rangpore	17 0	18 0	20 0	...	...	...	18 0	16 0	16 0	28 10	17 0	20 0	...	...	...
14	Bogra	15 0	16 8	16 0	...	...	...	15 0	15 0	9 12	24 0	24 0	24 0	...	...	...
15	Patna	22 8	21 0	17 4	...	...	...	8 0	8 0	8 4	26 4	23 0	18 12	...	...	...
16	Darjeeling	11 0	10 0	10 0	10 0	10 0	10 0	5 0	5 0	5	14 0	16 0	12 0	...	...	...
17	Julpigoree	13 4	13 0	12 0	20 0	20 0	20 0	18 0	13 0	10 0	26 0	26 0	22 0	...	...	...
Eastern Districts.																			
18	Dacca	16 0	16 0	14 0	26 0	26 0	20 0	15 0	14 0	4 8	17 0	17 0	18 8	...	...	...
19	Furroadpore	20 0	20 0	16 0	26 0	26 0	20 0	16 0	16 0	13 8	23 0	23 0	16 0	...	...	...
20	Meckergunge	...	...	...	...	...	...	15 0	14 8	13 0	17 4	17 0	16 0	...	...	...
21	Mymensah	13 0	12 0	11 8	...	...	...	12 4	10 8	11 4	18 0	16 8	17 8	...	...	...

* The sudden fall in the price of rice is owing to the appearance of new rice in the market.

A In sub-divisions retail prices of salt per rupee were:—Culina and Cutwa 14 seers and Bhowan 13 seers.

B In Bishupore retail price of salt 12 seers per rupee.

C In Rampore retail price of salt 13½ seers per rupee.

D In Contai retail price of salt 13 seers per rupee.

E In sub-divisions retail prices of salt per rupee were:—Serampore 12 seers and Jehanabad 13½ seers.

F In sub-divisions retail prices of salt per rupee were:—Barnack, Dumrahat and Barrackpore 12 seers, Diamond Harbour (at Kulpilhat) 13 seers, and Dum-bum 11 seers.

G In sub-divisions retail prices of salt per rupee were:—Koochtee and Meherpore 13 seers, Choochanga 13 seers and Ranaghat 12½ seers.

H In Sackbar and Bagirhat sub-divisions retail price of salt 11 seers per rupee.

INDIAN-CORN OR MAIZE. (<i>Zea Mays.</i>)			ARHAR OR TUR. CADJAN PEA. (<i>Cajanus indicus.</i>)			PINEWOOD.		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	25 11	27 0	...	190 0	190 0	190 0
38 0	38 0	26 0	20 0	20 0	...	280 0	280 0	280 0
...	18 0	18 0	21	160 0	160 0	160 0
...	16 0	16 0	...	165 0	165 0	165 0
...	13 0	13 0	...	120 0	120 0	120 0
...	14 12	14 12	...	90 0	90 0	90 0

24 10	24 10	19 15	19 15	18 10	...	79 0	80 0	90
26 8	26 8	17 8	18 4	18 4	...	100 0	100 0	100 0
...	...	...	20 0	20 0	...	...	...	...
...	...	...	...	...	...	160 0	160	180 0
...	...	...	20 0	20 0	...	130 0	130 0	120 0
40 0	40 0	...	20 0	17 12	...	160 0	160 0	190 0
...	...	...	...	...	...	120 0	120 0	140 0
...	...	...	17 0	17 0	...	240 0	240 0	240 0
...	...	...	11 8	11 8	...	120 0	120 0	120 0
...	...	...	...	...	...	90 0	90 0	75 0
...	...	...	18 0	17 12	...	200 0	200 0	200 0
25 0	25 0	22 0	8 0	8 0	...	120 0	120 0	120 0
...	...	...	...	...	...	125 0	125 0	125 0

...	...	...	...	...	...	120 0	120 0	120 0
...	...	...	14 0	14 0	...	120 0	120 0	140 0
...	...	...	13 0	13 0	...	120 0	120 0	120 0
...

Districts of Bengal during the fortnight ending the 31st December 1886.

SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS.			AVERAGE WAGES PER MONTH.									DISTRICTS.
			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STOCK OR HORSE- KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.			
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
BENGAL.															
Western District.															
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	
A	18 9	13 54	13 8	2 14 0	2 15 0	2 15 0	8 0	8 0	7 0	6 8	6 8	6 0	10 0	10 0	10 0
B	12 8	12 0	12 13	3 1 0	3 3 0	3 2 0	5 10	5 8	6 0	4 0	4 0	4 0	7 8	7 0	7 8
C	12 0	12 0	12 0	3 2 0	3 2 0	3 2 0	4 0	4 0	4 0	4 0	4 0	5 0	8 0	8 0	8 0
D	12 8	12 8	12 8	3 0 3	3 0 3	3 1 2	6 8	5 10	6 0	5 0	6 0	6 0	7 8	7 8	7 8
E	13 0	13 0	13 0	3 0 0	3 0 0	2 14	7 8	7 8	7 8	5 0	5 0	5 0	10 0	10 0	10 0
	12 0	12 0	13 0	3 2 0	3 2 0	3 0 0	7 8	7 8	7 8	5 0	5 0	5 0	10 0	10 0	10 0
Central District.															
(Coolies)															
F	12 5	12 5	12 13	3 0 0	3 0 0	3 0 0	10 8	10 0	10 8	6 0	6 0	6 0	15 0	15 0	15 0
G	11 10	11 10	11 10	3 2 0	3 4 0	3 0 0	6 0	6 0	6 0	6 0	6 0	6 0	7 8	7 8	7 8
H	10 8	10 8	12 0	3 12 0	3 12 0	3 4 0	8 0	8 0	8 0	8 0	8 0	8 0	10 0	10 0	10 0
I	10 12	10 12	11 12	3 3 0	3 3 0	3 0 0	7 8	7 8	7 8	6 0	6 0	6 0	15 0	15 0	15 0
J	12 0	12 0	12 0	3 5 0	3 5 0	3 6 0	6 0	6 0	6 0	6 0	6 0	6 0	7 8	7 8	7 8
K	12 0	12 0	12 8	3 4 0	3 2 0	3 2 0	7 8	7 8	7 8	8 0	7 0	8 0	10 0	10 0	10 0
L	12 0	12 0	12 0	.....	.....	3 4 0	7 8	7 8	7 8	6 0	6 0	6 0	12 0	12 0	12 0
M	10 8	10 10	12 0	3 5 4	3 4 0	3 4 0	6 0	6 0	6 0	6 0	6 0	6 0	10 0	10 0	10 0
N	11 6	11 4	12 0	3 6 0	3 5 3	3 1 0	7 0	7 8	8 0	7 8	7 8	6 0	12 0	12 0	11 0
O	9 0	9 0	8 0	4 4 0	4 6 0	4 4 0	8 8	8 8	8 8	8 0	8 0	8 0	18 0	18 0	15 0
P	12 0	12 0	12 0	3 4 0	3 4 0	3 4 0	8 0	8 0	7 0	7 0	8 0	7 0	20 0	20 0	15 0
Eastern District.															
Q	10 8	10 8	12 0	3 8 0	3 8 0	3 1 0	6 0	6 0	6 0	5 0	5 0	5 0	8 0	8 0	8 0
R	11 8	11 8	12 0	3 5 0	3 5 0	3 5 0	7 8	7 0	7 8	7 0	7 0	7 0	12 0	10 0	12 0
S	11 8	11 8	13 0	3 6 0	3 6 0	3 0 0	8 0	8 0	7 8	7 0	6 0	6 0	15 0	15 0	15 0
T	11 12	11 0	12 0	3 0 0	3 7 0	3 4 0	7 0	7 0	7 0	6 0	6 0	6 0	12 0	12 0	12 0

† Present rates not furnished.

‡ Also food.

I In sub-divisions retail prices of salt per rupee were:—Jhenida and Narail 12 seers, Magura 10 seers and Hongong 10 seers.

J In sub-divisions retail prices of salt per rupee were:—Lalbagh 12 seers, and Jungipore and Kandi 12 seers.

K In sub-divisions retail prices of salt per rupee were:—Nattora 12 seers and Nowgong 10 seers.

L In sub-divisions retail prices of salt per rupee were:—Kurigram 12 seers, Gaibanda 9 seers.

M In Baragunge retail price of salt 12 seers per rupee.

N At Fakhra (in Ahpore sub-division) retail price of salt 10 seers per rupee.

O In sub-divisions retail prices of salt per rupee were:—Manikgunge 11 seers, Moonsheergunge 10 seers and Naraingunge 11 seers.

P In sub-divisions retail prices of salt per rupee were:—Goswami 12 seers and Madaripore 12 seers.

Q In sub-divisions retail prices of salt per rupee were:—Patnabali 9 seers, Paragipore 11 seers, and Bhola 10 seers.

R In sub-divisions retail prices of salt per rupee were:—Kishoregunge 9 seers, Attea 12 seers, Jamalpore and Sheerpore 10 seers and Netrokona 12 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.		DISTRICTS.		QUANTITIES PER RUPEE IN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			LOWAR OR ONOLUM. (Sorghum Vulgare.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Eastern Districts.—Concluded.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
22	Chittagong ..	16 0	16 0	16 0	13 0	10 0	13 0	13 0	17 0	16 0

S In Cox's Bazar retail price of salt 12 seers per rupee.

T At Panchgachia in Fenny sub-division retail price of salt 9 seers per rupee.

U In Brahmunpooriah and Chandpore sub-division retail price of salt 11½ seers per rupee.

V In Jehanabad retail price of salt 12 seers per rupee.

W In sub-divisions retail prices of salt per rupee were:—Buxar and Saseerai 12½ seers and Bhabooh 11½ seers.

A In sub-divisions retail prices of salt per rupee were:—Madhubani 11 seers and Tajpore 12 seers.

Y In Hazarepore sub-division retail price of salt 12½ seers per rupee.

* In the interior the retail prices of common

† Present rates not furnished.

BAJRA OR CMBU. <i>(Pennisetum typhoides.)</i>			MAHUA OR RAGI. <i>(Eleusine Corocana.)</i>			KANONI OR KAKHU. ITALIAN MILLET. <i>(Setaria italica.)</i>			GRAM, CHANA, CHHOLA, KADALAY, OR BUNAGA. <i>(Cicer ariselinum.)</i>		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
14	0	14	0	13	0								
13	0	13	0	11	0								
16	0	17	8	13	14								
12	0	13	0	11	0								

[illegible]

									(kalai)	18	6	18	6	17	1
									(kalai)	16	12	16	12	11	13
										15	0	16	0	15	8

000	000	00	60	0	44	0	39	0	000	000	000	23	0	21	0	20	0
000	000	00	48	0	48	0	48	0	000	000	000	20	0	20	0	19	0
000	000	00	00	00	00	00	00	00	000	000	000	16	0	16	0	19	0
000	000	00	00	00	00	00	00	00	000	000	000	17	0	17	0	17	0

INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR TUR. CAJIAN PEA. (Cajanus indicus)			PINEWOOD.		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	11 0	9 0	...	75	75 0	120 0
...
...	...	...	10 0	13 4	...	...	...	...
...	...	...	...	...	...	320 0	320 0	320 0
...	...	...	16 0	16 0	...	...	...	...
40 0	38	22 0	34 0	26 0	...	110 0	110 0	100 0
...	...	...	24 0	25 0	...	120 0	120 0	160 0
...	...	...	16 0	15 0	...	140 0	140 0	120 0
30 0	31	25 0	10 14	19 0	...	170 0	200	160 0
32 0	32	27 0	21 0	22 0	...	140 0	140 0	110 0
31 8	32 0	25 8	26 0	25 0	...	160 0	160 0	160 0
31 8	31	31 0	21 8	24 8	...	...	...	...
42 0	42 0	23 1	21 0	18 14	...	126 0	126 0	126 0
49 6	49 0	25 4	20 8	18 15	...	83 12	170 4	151 8
...	...	...	20 0	19 0	30 0	128 0	128 0	160 0
...	...	...	...	...	...	160	160 0	160 0
50 0	...	29 0	27 0	18 0	...	200 0	200 0	200 0
...	...	...	...	...	...	80 0	80 0	80 0
...	...	...	15 12	15 12	...	70 0	80 0	80 0
...	...	...	13 0	13 0	...	140 0	120 0	140 0
40 0	40 0	21 0	19 0	19 0	...	240 0	240 0	320 0
20 0	32 0	26 0	20 0	22 0	...	120 0	120 0	120 0
...	...	...	21 0	21 0	...	320 0	320 0	360 0
40 0	40 0	...	...	...	...	240 0	240 0	240 0

Districts of Bengal during the Fortnight ending the 31st December 1886—(Concluded.)

			WHOLESALE PRICES PER MAUND OF 40 SEERS			AVERAGE WAGES PER MONTH.												
SALT.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STEER OR HORSE- KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.						
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	DISTRICTS.			
BEHAR.																		
S.	Ch.	S.	Ch.	S.	Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.				
12 0	12 0	12 0	3 2 0	3 2 0	2 13 0	9 0	9 8	9 8	7 0	7 0	7 0	7 0	7 0	7 0	Chittagong.			
T.	9 0	9 0	4 4 0	4 4 0	3 4 0	11 0	11 0	11 0	8 0	8 0	8 0	12 0	11 0	11 0	Noakhully.			
U.	11 4	11 8	3 7 0	3 0 0	3 3 0	8 0	8 0	8 0	5 0	5 0	5 0	6 0	7 0	6 0	Tipperah.			
8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	9 8	9 8	9 8	...	...	...	...	...	...	Chittagong Hill Tracts.
11 0	11 0	11 0	3 4 0	3 4 0	3 4 0	8 0	8 0	7 8	6 0	6 0	6 0	15 0	15 0	14 0	Hill Tipperah.			
Eastern Districts.—Concluded.																		
V.	11 0	11 0	3 5 0	3 5 0	3 5 0	4 0	4 0	4 0	3 8	4 8	3 8	6 0	6 0	6 0	Patna.			
W.	12 0	12 8	3 5 0	3 5 0	...	5 0	5 0	5 0	5 0	5 0	5 0	7 8	...	...	Gya.	
X.	13 0	11 8	3 0 0	3 4 0	3 4 0	2 12	2 13	2 13	2 8	3 0	3 0	3 8	3 12	3 12	Shahabad.			
Y.	12 0	12 0	3 4 0	3 4 0	3 4 0	3 0	3 0	3 0	3 0	3 0	3 0	6 0	6 0	5 10	Barhanga.			
Z.	12 0	11 8	3 2 0	3 2 0	3 2 0	3 12	3 12	3 12	4 0	4 0	4 0	8 0	8 0	11 4	Muzafferpore.			
12 0	12 0	12 0	...	...	3 4 0	6 8	6 8	6 8	...	4 8	4 0	...	5 0	8 0	Saran.	
Z1.	12 1	12 2	3 4 0	3 4 0	2 14 0	3 12	3 12	3 12	4 0	4 0	4 0	5 10	5 0	5 10	Chumpran.			
Z2.	12 10	12 10	3 0 0	3 3 3	2 15 0	4 8	4 0	3 12	1 0	4 0	4 0	7 0	6 0	8 0	Monghyr.			
Z3.	10 8	10 8	3 10 0	3 10 0	3 10 0	4 11	4 11	4 11	4 0	4 0	4 0	7 0	7 0	7 0	Bhagalpore.			
11 0	...	12 0	3 5 0	...	3 4 0	4 8	7 8	5 10	5 0	5 0	5 0	7 8	8 0	7 8	Purnea.			
Z4.	12 0	11 4	3 3 0	3 2 0	3 2 0	3 12	3 12	3 12	5 0	5 0	5 0	7 8	4 0	7 8	Mahab.			
ORISSA.																		
14 0	14 0	14 0	2 12 0	2 12 0	2 12 0	5 10	5 10	5 10	4 0	4 0	4 0	7 8	7 0	7 8	Cuttack.			
14 7	14 7	14 7	2 10 0	2 10 0	2 10 0	6 0	5 0	6 0	5 0	5 0	5 0	8 0	8 0	8 0	Pooree.			
Z5.	10 8	10 0	3 8 0	3 12 0	3 10 0	5 10	2 8	4 11	4 0	4 0	4 0	7 8	7 8	7 8	Balasore.			
HOTA NAGPORE.																		
Z6.	9 0	10 0	3 12 0	3 10 0	3 10 0	3 12	3 12	3 12	3 0	4 0	8 0	8 0	8 0	8 0	Hazaribagh.			
Z7.	10 0	10 0	3 12 0	3 12 0	3 8 0	3 4 0	3 0	3 0	3 0	3 8	3 8	6 0	6 0	6 0	Lohardugga.			
9 0	9 0	9 0	4 0 0	4 0 0	4 0 0	3 0	3 0	3 0	4 8	4 8	4 8	12 0	12 0	12 0	Singbhoom.			
10 10	10 10	10 10	3 6 0	3 8 0	3 6 0	4 11	4 11	4 11	...	4 0	4 0	10 0	10 0	10 0	Manbhoom.			

also vary from 91 to 264 seers per rupee.

Z In sub-divisions retail prices of salt per rupee were:—Sewan 12 seers, Gopalgunge 10½ seers.

Z1 In B. Gu. Serai and Jamni sub-divisions retail price of salt 11 seers per rupee.

Z2 In sub-divisions retail prices of salt per rupee were:—Banka and Soopole 11 seers, and Maddapore 10½ seers.

Z3 In sub-divisions retail prices of salt per rupee were:—Kiesungunge 10 seers and Arrarah (at Baniungu) 12 seers.

Z4 In sub-divisions retail prices of salt per rupee were:—Deogur and Pakour 12½ seers, Rajmahal 12 seers, Godda 11 seers, and Jamtara 13 seers.

Z5 In Rinduck retail price of salt 9 seers per rupee.

Z6 At Kharagdiha in S. sub-division retail price of salt 12 seers per rupee.

Z7 At Daltingunge in Palamow sub-division retail price of salt 10½ seers per rupee.

Published for general information.

P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARKS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 11 0	2 8 0	3 10 0	1 10 3	1 10 0	2 0 0	3 8 0	3 4 0	6 0 0	1 15 9	2 1 0	4 8 0
2	Serajunge ...	...	2 0 0	2 7 0	...	...	...	3 14 0	3 14 0	4 8 0	2 0 0	1 15 0	2 2 0
3	Dacca ...	2 5 0	2 5 0	2 8 0	1 8 0	1 8 0	1 6 0	2 9 0	2 13 0	2 12 0	2 3 0	2 3 0	2 4 0
4	Narsingunge ...	...	...	...	...	...	...	2 6 0	2 9 0	2 14 0	2 0 0	2 0 0	2 2 0
5	Chittagong ...	2 6 0	2 6 0	2 6 0	...	...	...	2 12 0	3 12 0	2 14 0	2 0 0	2 8 0	2 6 0
6	Patna ...	1 13 0	1 12 0	1 10 0	1 2 0	1 2 0	1 4 0	3 0 0	3 0 0	3 0 0	1 7 3	1 13 0	2 4 0
7	Belasore ...	2 4 0	2 4 0	2 8 0	3 0 0	3 0 0	3 3 0	3 0 0	3 0 0	3 0 0	1 10 0	1 9 0	2 1 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 11 0	1 14 0	2 1 0
9	Cuttack ...	3 0 0	2 10 0	2 5 0	...	...	...	3 0 0	3 4 0	3 10 0	2 2 0	2 2 0	2 5 0

CALCUTTA,
The 11th January 1887.

PRICES PER MAUND

LOWAR OR 'HOLUM. (Sorghum Vulgare.)				BAJRA OR CUMBU. (Pennisetum typhoidesum.)			
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.		
A.P.	R.A.P.	R.A.P.	A.P.	R.A.P.	R.A.P.		
10 02	14 03	0 0	2 8 03	0 0	2 8 0		
...		
...		
...		
...		
3 01	6 0	...	1 6 01	6 01	7 8		
...		
...		

MARUA OR RAGI.
(Blousine Corocana.)

KANONI OR KAN
ITALIAN MILLET.
(*Setaria italica*.)

[illegible]

undermentioned *Maris* of Bengal during the fortnight ending 31st December 1886.

GRAM, CHANA, CHHOLA, KADALAY OR SURAGA. (<i>Cleor Aristinum.</i>)			INDIAN-CORN OR MAISE. (<i>Zea Mays.</i>)			ARHAR OR THUR 'ADJAN PEA. (<i>Cajanus indicus.</i>)			FIRWOOD			SALT			MANTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 10 0	1 13 0	2 2 0	1 4 0	1 4 0	2 0 0	2 0 0	2 0 0	2 0 0	0 7 0	0 6 0	0 6 3	0 3 0	0 3 0	0 2 12 0	Calcutta.
1 12 0	1 14 0	2 4 0	...	...	...	...	...	...	...	...	...	3 1 4	3 0 0	2 10 0	Sarrungunge.
2 2 0	2 4 0	2 8 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 0	3 8 0	3 8 0	3 1 0	Dacca.
2 0 0	1 13 0	2 7 0	...	...	...	...	...	...	0 6 0	0 7 0	0 8 0	3 2 0	3 2 0	...	Narmungunge.
2 8 0	2 8 0	2 14 0	...	...	...	3 8 0	4 2 0	...	0 6 0	0 8 0	0 4 0	3 2 0	3 2 0	2 13 0	Chittarong.
1 3 0	1 5 0	1 8 0	1 0 0	1 0 0	1 8 0	1 2 0	1 8 0	...	0 5 3	0 5 3	0 5 0	3 1 0	3 1 0	3 1 0	Patna.
2 8 0	2 8 0	2 9 0	...	...	...	3 0 0	3 0 0	...	0 5 0	0 5 0	0 4 0	3 8 0	3 13 0	3 10 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	2 10 0	2 10 0	2 10 0	Pooree.
2 2 0	2 2 0	2 2 0	...	...	...	...	...	...	0 8 0	0 8 0	0 8 0	2 12 0	2 12 0	2 12 0	Cuttack.

Published for general information.

P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.															
			AIR PRESSURE.					TEMPERATURE.					HUMIDITY.		CLOUD.			
			Highest, 10 A.M., barometer reading of month.	Lowest, 10 A.M., barometer reading of month.	Mean, 10 A.M., for month.	Mean reduced to sea-level.	Variation from normal mean.	Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 10 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 10 A.M.	Variation from normal mean.	
ORISSA.	POORUS	Gopalpore	30.167	29.968	30.052	30.052	—	82.2	60.0	70.2	65.0	72.1	—	60	—	2.0	—	
		Enke Point	30.103	29.903	30.086	30.107	—0.10	82.4	51.0	78.8	69.2	69.0	+1.3	67	—7	5.3	+0.6	
		Cuttack (a)	30.142	29.941	30.023	30.107	—0.03	80.0	54.0	65.7	60.2	74.0	+2.2	66	0	1.0	0	
SOUTH-WEST BENGAL.	BALASORE	Balasore	30.177	29.970	30.055	30.127	—	88.1	48.0	74.4	59.0	65.7	—	61	—	0.0	—	
		South-West Midnapore and South 24 Pargannas.	Saugor Island	30.188	29.981	30.084	30.108	—0.10	86.2	50.8	77.5	61.6	69.0	+1.5	73	—1	2.5	+0.6
		Midnapore	Midnapore	30.050	29.848	29.950	30.115	—	87.5	49.0	81.0	59.5	68.8	—	50	—	2.0	—
SOUTH-WEST BENGAL.	24 PARGANNAH, HOWRAH, AND HOOGHLY.	Calcutta	30.147	30.004	30.080	30.111	+0.02	81.6	51.8	78.3	58.4	68.4	+2.2	64	—8	1.8	—0.1	
		Burdwan	Burdwan	30.123	29.930	30.016	30.120	—0.03	85.5	52.3	70.9	57.0	68.4	+1.6	54	—10	1.7	—0.2
		Bankoorah	Bankoorah	29.878	29.728	29.790	—	—	84.1	50.8	77.3	59.4	69.9	—	63	—	0.8	—
SOUTH-WEST BENGAL.	WEST BURDWAN AND BOERBHOM.	Raneem	29.885	29.700	29.780	—	—	85.1	49.5	70.1	55.0	67.4	—	50	—	1.4	—	
		Moorshedabad	Birampur	30.150	29.974	30.015	30.111	+0.04	87.6	53.2	77.4	58.2	67.8	+1.6	71	0	1.4	—0.3
		Nuddea	Krishnagar	30.163	29.965	30.060	—	—	87.0	49.1	78.8	55.5	67.4	—	61	—	2.1	—
SOUTH-WEST BENGAL.	JESSORE AND KHOSHA.	Jessore	30.174	29.966	30.054	30.100	+0.08	84.7	53.0	70.4	57.0	68.7	+2.4	65	—4	1.9	+0.4	
		Chittagong	Chittagong	30.001	29.807	29.908	30.001	—0.00	82.6	50.7	78.6	57.7	68.2	0	74	—1	0.8	—1.3
		Chittagong Hill Tracts	Pennagiri	—	—	—	—	—	81.2	55.1	74.8	60.3	67.0	+1.1	—	—	0.6	—0.2
SOUTH-WEST BENGAL.	BACKERGANGY.	Barrisal	30.165	29.968	30.050	30.083	—	85.3	54.1	78.1	59.1	68.6	—	62	—	0.7	—	
		Nonkhali	Nonkhali	30.104	29.928	30.043	30.088	—	81.5	50.7	78.0	55.8	65.3	—	61	—	0.6	—
		Furzedpore	Furzedpore (a)	30.157	29.971	30.056	—	—	81.4	54.0	74.0	57.8	66.1	—	67	—	0.4	—
SOUTH-WEST BENGAL.	DACCA.	Dacca	30.171	30.008	30.075	30.098	+0.17	85.1	50.0	70.0	59.3	69.3	+1.0	64	—7	1.3	0	
		Tipperah	Cumilla	30.149	29.965	30.040	30.086	—	80.4	50.1	74.1	59.0	68.6	—	70	—	1.3	—
		Mymensingh	Mymensingh	30.115	29.888	30.031	—	—	80.1	51.1	75.5	59.1	64.8	—	67	—	2.4	—
SOUTH-WEST BENGAL.	BOGRA.	Bogra	30.110	29.886	30.012	30.067	—	81.3	50.0	77.4	58.6	66.5	—	64	—	1.6	—	
		Pabna	Serajpur	30.140	29.972	30.049	30.077	—	82.1	52.0	77.5	59.1	66.8	—	71	—	1.7	—
		Rajshahi	Rajshahi Beau- loah.	30.126	29.888	30.041	30.081	—	80.2	49.7	77.2	55.5	66.4	—	61	—	0.0	—
SOUTH-WEST BENGAL.	MALDAH.	Maldah	30.091	29.887	29.975	—	—	80.0	50.0	70.0	50.0	—	—	(b) 65	—	0.1	—	
		Dinagore	Dinagore	30.080	29.880	29.960	30.021	—	80.6	51.0	70.0	53.0	64.7	—	67	—	1.8	—
		Rangpur	Rangpur	30.145	29.941	30.040	30.130	—	80.3	50.0	77.0	50.0	—	—	70	—	0.9	—
SOUTH-WEST BENGAL.	JALPAIGURI AND GOALPURI.	Jalpaiguri	29.900	29.728	29.810	30.110	—	79.9	48.0	70.1	54.3	65.2	—	71	—	1.7	—	
		Darjeeling Hill Tracts.	Darjeeling	29.132	29.104	29.149	—	—0.11	69.8	31.16	40.26	37.5	43.46	+0.7	70	+4	5.0	+1.0
		Purneah and North Buzurgpore.	Purneah	30.005	29.952	29.978	30.131	+0.18	79.2	46.8	75.3	58.8	64.6	+1.4	74	+3	1.4	+0.4
SOUTH-WEST BENGAL.	MOZUFFERPORE.	Mozufforpore	—	—	—	—	—	Observations suspended										
		Darbhanga	Darbhanga	30.055	29.886	29.950	30.111	+0.17	78.0	48.3	74.7	57.4	66.1	+2.4	77	+8	1.4	+0.4
		Chumpran	Mathari	29.980	29.841	29.877	30.115	—	79.0	44.7	70.1	51.0	63.0	—	68	—	5.4	—
SOUTH-WEST BENGAL.	SARAN.	Chopra	29.970	29.835	29.908	—	—	78.8	46.2	74.0	53.8	64.4	—	60	—	1.3	—	
		Deoria	Deoria	29.850	29.665	29.731	30.133	—	79.1	45.0	73.8	55.0	64.4	—	64	—	2.0	—
		Shahabad	Bazar	29.954	29.815	29.877	30.131	—	79.3	44.4	70.4	53.4	64.4	—	62	—	1.9	—
SOUTH-WEST BENGAL.	ARRAH.	Arrah	30.005	29.860	29.908	30.116	—	79.8	43.9	70.1	53.4	64.3	—	70	—	1.5	—	
		Gya	Gya	29.905	29.672	29.720	30.124	—0.14	80.7	49.16	70.46	55.06	65.76	+1.0	54	—2	2.0	+1.0
		Patna	Bankipore	30.050	29.860	29.940	30.137	—0.08	80.8	44.8	70.0	54.4	65.2	+3.1	66	+2	3.5	+0.7
SOUTH-WEST BENGAL.	SOUTH BAZURGPORE AND MONGHYR.	Bazurgpore	30.036	29.875	29.938	30.107	—	77.4	46.0	74.0	54.4	64.5	—	68	—	1.3	—	
		South Pargannas	Naya Dooika	29.651	29.520	29.591	—	—	62.0	40.0	70.0	55.0	65.0	—	68	—	1.0	—
		Hazaribagh	Hazaribagh	28.102	27.987	28.065	30.128	+0.07	70.0	47.3	72.5	52.5	62.5	+1.3	62	0	3.3	+0.4
SOUTH-WEST BENGAL.	LOHARDUGGA AND MANMOOCH.	Rancher	28.017	27.852	27.910	30.105	—	70.5	40.0	72.7	50.0	61.7	—	60	—	1.7	—	
		Singbhoom	Chaitanya	29.428	29.211	29.315	—	—	68.0	47.7	70.4	53.0	60.0	—	55	—	1.3	—

(a) Mean for 30 days.

(b) Mean for 28 days.

(c) Mean for 25 days.

Bengal for the month of December 1886.

DISTRICT OBSERVATIONS.											Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.					Since 15th May.								
Of month.													
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.				
2.80	0.78	+2.02	8.3	1.4	61.18	65.64	+4.46	102.4	83.1	Gopalpore ...	Pooroo ...	ORISSA.	
0.78	0.00	+0.00	2.4	1.4	63.03	51.11	+12.22	104.2	77.6	Pala Point ...	Cuttack ...		
0.08	0.36	-0.33	0.2	0.8	57.44	53.44	+4.00	78.0	77.1	Cuttack ...	Balasore ...		
0.42	0.37	+0.05	1.3	0.0	51.45	6.42	-11.40	87.3	54.0	Saugor Island ...	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.	
0.16	0.31	-0.18	0.7	0.7	45.81	51.53	-5.70	89.4	70.1	Midnapore ...	Midnapore ...		
0.03	0.31	-0.31	0.3	0.9	56.10	51.59	+4.43	86.8	90.2	Calcutta ...	24-Pergunnahs, Howrah and Hooghly.		
Nil	0.21	-0.21	0.0	0.0	52.05	40.00	+12.00	80.0	75.0	Burdwan ...	Burdwan ...		
Nil	0.30	-0.30	0.0	0.8	51.00	51.05	-0.11	101.2	80.0	Bankura ...	Bankura ...		
0.01	0.17	-0.16	0.5	0.8	65.08	51.38	+13.70	105.6	82.0	Raiganj ...	West Burdwan and Beerbhoom.		
Nil	0.20	-0.20	0.0	0.7	58.70	44.03	+14.67	103.4	76.9	Berhampore ...	Moorshedabad ...		
Nil	0.20	-0.20	0.0	0.5	54.17	40.00	+14.17	80.0	77.5	Krishnanagar ...	Nuddea ...		
Nil	0.31	-0.31	0.0	0.7	58.35	53.15	+5.20	70.0	81.4	Jessore ...	Jessore and Khoulia ...		
0.15	0.40	-0.45	1.0	1.0	120.00	113.43	+6.57	108.0	105.0	Chittagong ...	Chittagong ...	EAST BENGAL.	
Nil	0.30	-0.30	0.0	1.7	80.00	82.03	-2.03	118.0	103.0	Dumra ...	Chittagong Hill Tracts.		
0.02	0.40	-0.40	0.3	1.0	71.01	77.54	-6.53	100.0	105.0	Barrisal ...	Backergunge ...		
0.01	0.38	-0.37	0.5	1.1	114.55	108.08	+6.47	101.5	108.2	Noakhali ...	Noakhali ...		
Nil	0.10	-0.10	0.0	0.6	50.04	55.06	-5.02	81.0	80.0	Farrukpore ...	Farrukpore(a) ...		
0.01	0.36	-0.35	0.3	1.0	75.05	58.17	+16.88	91.2	83.7	Dacca ...	Dacca ...		
0.02	0.44	-0.42	0.3	1.0	75.03	70.44	+4.59	14.0	96.8	Comilla ...	Tipparah ...		
Nil	0.28	-0.28	0.0	0.8	60.00	60.13	-0.13	84.0	80.0	Mymensingh ...	Mymensingh ...		
Nil	0.20	-0.20	0.0	0.7	65.10	55.07	+10.03	70.3	77.4	Bogra ...	Bogra ...		
0.18	0.10	+0.08	0.5	0.7	58.02	53.22	+4.80	95.0	78.4	Serajgunj ...	Pabna ...	NORTH BENGAL.	
Nil	0.13	-0.13	0.0	0.6	58.20	54.38	+3.82	75.0	77.0	Rangpur ...	Rajshahye ...		
Nil	0.14	-0.14	0.0	0.7	61.27	63.14	-1.87	83.5	83.0	Maldah ...	Maldah ...		
0.01	0.27	-0.26	0.2	0.7	72.31	56.48	+15.83	87.0	79.2	Dinapore ...	Dinapore ...		
0.09	0.18	-0.09	0.5	0.0	71.01	73.03	-2.02	70.4	75.7	Rangpur ...	Rangpur ...		
0.13	0.20	-0.07	1.4	0.7	108.15	110.30	-2.15	99.2	101.1	Jalpaiguri ...	Jalpaiguri and Cooch Behar.		
0.32	0.40	-0.08	1.0	1.3	138.00	110.45	+27.55	119.7	108.0	Darjeeling ...	Darjeeling Hill Tracts.		
0.14	0.18	+0.01	1.0	0.0	77.55	50.34	+27.21	80.2	67.0	Purneah ...	Purneah and North Banchura.		
0.24	0.13	+0.11	1.0	0.5	60.41	41.52	+18.89	60.3	55.1	Mozufferpore ...	Mozufferpore ...	NORTH BENGAL.	
0.20	0.11	+0.09	0.7	0.5	61.10	42.50	+18.60	65.3	55.1	Darbhanga ...	Darbhanga ...		
1.00	0.10	+0.90	1.5	0.0	60.00	44.84	+15.16	68.0	51.1	Mohani ...	Chumbarun ...		
0.63	0.10	+0.53	1.3	0.0	61.18	40.08	+21.10	66.2	55.3	Chupra ...	Saran ...		
0.37	0.30	+0.07	1.0	0.0	51.80	38.77	+13.03	67.0	50.5	Debrae ...	Shahabad ...		
0.06	0.20	-0.14	0.5	0.7	61.21	39.55	+21.66	73.4	54.5	Gya ...	Gya ...		
0.00	0.17	-0.17	0.8	0.5	60.14	39.87	+20.27	74.7	60.0	Bankipore ...	Patna ...		
Nil	0.12	-0.12	0.0	0.5	58.41	41.02	+17.39	74.8	64.0	Bhagalpore ...	South Bhagalpore and Monghyr.		
Nil	0.10	-0.10	0.0	0.0	60.13	45.04	+15.09	61.0	73.5	Naya Doocha ...	Sonthal Pergunnahs ...		
Nil	0.28	-0.28	0.0	0.7	58.72	40.50	+18.22	88.4	80.1	Hazaribagh ...	Hazaribagh ...	SOUTH BENGAL.	
Nil	0.29	-0.29	0.0	0.8	48.11	40.82	+7.29	94.7	79.8	Ranchee ...	Lehardunga and Manohar.		
Nil	0.43	-0.43	0.0	1.4	43.50	51.30	-7.80	98.0	91.3	Chhannassa ...	Shrooboom ...	CHUTIA NAG-PUR.	

	1	2	3	4	5	6	7	8	9	10	11	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Highest rainfall during the month.	Total rainfall from 1st January 1886 up to 31st December 1886.	Average rainfall from 1st January up to 31st December 1886.	Station.	District.	Meteorological division.
...	3	1.4	3.98	0.79	2.10	60.54	55.71	Pooroo Khurdah.	Pooroo	CUTTACK.
...	4	1.4	1.31	0.56	0.52	69.78	61.24	Banks.	...	...
...	4	1.0	4.70	1.61	1.44	71.04	56.51	Palas Point.	...	...
...	12	1.3	1.25	0.70	1.20	64.42	60.07	Gop.	...	...
...	?	?	1.75	?	1.00	69.50	?	Petta.	...	...
...	1	0.0	1.75	0.44	1.75	71.88	52.57	Jagannikarpore.	Cuttack.	...
...	3	2.7	0.01	1.11	0.55	60.23	55.03	Bunka.	...	...
...	4	1.4	0.48	0.32	0.21	70.70	53.28	Cuttack.	...	...
...	0	0.0	0.50	0.54	0.25	50.03	57.74	Komtrapara.	...	...
...	1	1.1	0.18	0.80	0.18	60.86	60.29	Jajpur.	...	...
...	1	?	0.35	?	0.35	60.05	?	Dharmasalla.	...	...
...	Nd	?	Nd	?	Nd	?	?	Saltipore.	...	...
...	Nd	1.0	Nd	0.09	Nd	61.04	60.34	Chandbali.	Balasore.	...
...	Nd	0.5	Nd	0.41	Nd	65.08	60.61	Rhuadruck.	...	...
...	Nd	0.6	Nd	0.15	Nd	65.35	57.04	Sorah.	...	...
...	Nd	1.0	Nd	0.25	Nd	73.06	67.44	Balasore.	...	...
...	1	0.3	0.15	0.12	0.15	61.64	57.00	Jellasona.	...	...
...	Nd	1.0	Nd	0.25	Nd	62.54	61.60	Barnodah.	...	...
...	2	0.0	0.25	0.38	0.20	51.38	70.20	Chital.	Midnapore.	...
...	1	1.2	0.19	0.32	0.10	70.96	75.00	Saugor Island.	...	...
...	1	0.5	0.30	0.29	0.30	54.20	58.87	Fundook.	...	...
...	Nd	0.0	Nd	0.51	Nd	40.04	58.05	Midnapore.	...	...
...	1	0.6	0.18	0.32	0.18	55.10	61.07	Chital.	...	...
...	1	?	0.21	?	0.21	55.05	?	Deog.	...	...
...	Nd	?	Nd	?	Nd	53.02	?	Deoga.	...	...
...	Nd	?	Nd	?	Nd	51.05	?	Khagwanaporo.	...	...
...	Nd	?	Nd	0.25	Nd	54.47	50.30	Garbola.	...	...
...	1	0.8	0.29	0	0.62	60				

[illegible]

Table of Rainfall recorded at Station

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SOUTH BEHAR	Shahabad	Huxar	0'36
		Dahree	0'30
		Bhainswah	0'48
		Samsarain	0'22
		Arwah	0'35
	Gya	Mohandah
		Aurunabad	0'23
		Gya	0'41
		Nowadah
		Jehanabad
		Arwal
		Daudnagar	0'17
		Sherrghati
	Patna	Royauli
		Fakri Darwaza.
		Patna	0'13
		Dinapore	0'14
	Monghyr	Behar
		Barrh
		Backram	0'08
Hilsa		...	...	...	...	...	...	...	...	...	...	...	...	0'10	...	...	...	...	...	...	...
South Bhagulpore.	Hilsa	...	...	...	...	...	...	...	...	...	...	...	...	0'05	...	...	...	...	...	...	...
	Bhagulpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kolgong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kolgong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Southal Pergunnahs.	Rajmehal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Godda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pakour	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nya Doomka	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Deochur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jamtara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hazaribagh	Simra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nausahat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Puchambra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	(Gaidi).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sontagurudh.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mahadi Hills	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jhoomrah Hills	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Johardugga	Jharhi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chatra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Karagdeha	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kamghar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Singbhoom	Johardugga	...	...	...	...	...	...	...	...	...	...	0'08	...	...	...	...	...	...	...	...	...
	Ranchi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Palamow	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Silli	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Balnmat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manbhoom	Hosainabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Garwah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chyabassa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manbhoom	Chakradhar-pore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ghatsila	...	...	...	...	...	...	...	...	...	...	...	...	...	0'15	...	...	...	...	...	...
	Baharagura.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Perutha	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manbhoom	Gobindpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kopkumath-pore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Narvathoom.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manbhoom	Jhalda	...	...	...	...	...	...	...	...	...	...	...	...	...	0'03	...	...	...	...	...	...
	Chas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

in Bengal in December 1886—concluded.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Highest rainfall during the month.	Total rainfall from 1st January 1886 up to 31st Dec. 1886.	Average rainfall from 1st January up to 31st Dec. 1886.	Station.	District.	Meteorological division.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Buxar	Shahabad	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Dehradoon	Shahabad	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Blabooch	Shahabad	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Sawaram	Shahabad	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Arrah	Shahabad	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Mokantah	Shahabad	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Aurangabad	Gya	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Gya	Gya	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Nowadah	Gya	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Johannabad	Gya	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Arwal	Gya	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Daudnagar	Gya	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Sherrghati	Gya	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Rajauli	Gya	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Pakri	Gya	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Rawaan	Gya	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Patna	Patna	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Dumapora	Patna	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Behar	Patna	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Barth	Patna	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Rickra	Patna	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Hile	Patna	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Regoseral	Monghyr	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Monghyr	Monghyr	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Jamui	Monghyr	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Gopri	Monghyr	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Sheikpura	Monghyr	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Bhagulpore	South Bhagulpore	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Bhank	South Bhagulpore	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Kolga	South Bhagulpore	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Rajmehal	South Bhagulpore	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Godda	South Bhagulpore	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Pakour	South Bhagulpore	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Nya Dookma	South Bhagulpore	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Deochur	South Bhagulpore	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Jamtara	South Bhagulpore	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Sunra	South Bhagulpore	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Nunihal	South Bhagulpore	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Pachamba	Hazaribagh	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	(Girda)	Hazaribagh	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Hazaribagh	Hazaribagh	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Santagurah	Hazaribagh	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Mahudi Hills	Hazaribagh	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Jhoomrah Hills	Hazaribagh	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Barth	Hazaribagh	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Chatra	Hazaribagh	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Karagdeha	Hazaribagh	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Kamphar	Hazaribagh	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Lohardugga	Lohardugga	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Ranchi	Lohardugga	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Palamow	Lohardugga	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Silli	Lohardugga	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Batumat	Lohardugga	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Hosainabad	Lohardugga	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Garwah	Lohardugga	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Chyabassa	Singbhoom	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Chakradhar	Singbhoom	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Chatsila	Singbhoom	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Bahuragura	Singbhoom	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Purulia	Singbhoom	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Gobindpore	Singbhoom	SOUTH BENAR.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Raghunathpore	Singbhoom	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Harrabhoom	Singbhoom	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Jhalda	Singbhoom	
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Chas	Singbhoom	SOUTH BENAR.

METEOROLOGICAL AND RAINFALL SUMMARY OF THE PROVINCE OF BENGAL FOR THE MONTH OF DECEMBER 1886.

THE meteorology of the month of December in Bengal is usually very simple, the conditions being almost identical with those which obtain during the preceding month of November. North-east monsoon normal conditions are present in their most complete form in Bengal during the months of December and January.

The normal features of the month of December are diminishing temperature, increasing pressure, cloudless skies, great dryness of the air in the day-time, a very considerable range in the daily temperature, and the prevalence of light northerly winds with a westerly element which increases in amount westwards from Central Bengal to Behar.

The normal weather of the month is subject to two classes of interruptions or disturbances. The first class are originated by the occurrence of cyclonic storms in the Bay most usually at this time of the year in the south of the Bay. They affect the weather in Bengal indirectly in the manner explained in the November monthly review. Temperature rises, the air becomes more humid, especially in the coast districts, the dry land winds are replaced by variable local winds or by light sea winds, skies become clouded, and showers, if the storm is extensive, fall in South Bengal and Orissa. The effects of these storms are usually smaller in December than in November, as they are generally formed further south, and are also, as a rule, less extensive and intense than the November cyclones. The second class of disturbance are due to the entrance into or passage through the Province of cold weather barometric depressions. These usually (so far as is at present known) take their origin in Upper or Central India, and frequently, if not invariably, drift slowly eastwards or south-eastwards, gradually filling up as they advance. Many of them enter Behar, and some of them pass through Bengal, and fill up finally to the east of Bengal. The largest proportion of the rainfall of December, January, and February in Northern and Central India, and probably much of the snowfall of the Himalayas, accompanies the formation and march of these depressions. During their existence in Bengal, they usually give low barometer, clouded skies, light to moderate rain, diminished day and increased night temperature, and increased mean daily temperature. They are followed by fine dry clear weather, and greatly diminished night temperature, and a considerable reduction of the mean temperature.

The normal average rainfall of the month is small for all districts. The average for Orissa and East Bengal is between four and five-tenths of an inch. It varies between one and three-tenths in the remaining divisions.

Meteorological summary of the month.—The weather conditions in the province were approximately normal during the month. A small storm or cyclone formed in the Bay on the 7th after the prevalence of squally weather over the south of the Bay for some days. It advanced a little to the north or west, and struck the Madras coast on the afternoon or evening of the 9th, and shortly afterwards disappeared. The usual changes occurred in Bengal, where skies began to cloud over on the 7th or 8th, the change extending slowly from the coast districts to the interior. Skies were heavily clouded or overcast throughout the province on the 9th and 10th. The southern districts of Orissa received moderate rain on these two days, and also on the 11th and 12th. Light to moderate general rain fell on the 12th in the western districts of South-West Bengal, due to the same disturbance, and in nearly every district of Behar. Whether this was due to the same general disturbance, or to the entrance of a cold-weather depression into Behar from Upper India, cannot be determined from the Bengal observations only. So far as can be judged, it was a small local disturbance subsidiary, due partly to the general disturbance, and partly to local meteorological conditions in Behar. From this period to the end of the month fine clear weather prevailed. But apparently there was much slight disturbance in Upper India, as the winds in Bengal were unusually light and unsteady in character, and the temperature (more especially the night temperature) considerably above the average.

Pressure.—The fluctuations of the barometer during the greater part of the month have been such as always occur during fine clear weather. The disturbance in the Bay from the 7th to the 10th influenced pressure very slightly, and that chiefly in Orissa. Pressure fell generally from the 9th to the 13th, but after the effect of the general disturbance due to the cyclone in the Bay passed away, pressure oscillated slowly and within narrow limits during the remainder of the month. The mean pressure of the month varies very slightly from the normal mean pressure. It was $\cdot 01''$ less than the normal for False Point and Saugor Island (which were most influenced by the cyclone) and slightly more than $\cdot 01''$ in excess for the North Behar stations and Dacca. It was practically normal at all other stations (except perhaps Gya).

Temperature.—The chief feature of the month has been the considerable excess of temperature, an indirect effect of the cyclone in the Bay, and of the slightly disturbed or abnormal weather in Upper India. The increase was, as is usual in December, shown more in the night than in the day temperature. The following table gives data for eight representative stations, and shews more fully and exactly than a verbal description would

do, the variation of the temperature in different parts of the province week by week from the mean temperature proper to the period :—

Monthly variation table from weekly comparison tables.

	WEEK ENDING 3RD DECEMBER.			WEEK ENDING 10TH DECEMBER.			WEEK ENDING 17TH DECEMBER.			WEEK ENDING 24TH DECEMBER.			WEEK ENDING 31ST DECEMBER.		
	Variation of actual mean maximum temperature of week from the normal mean.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.
Cuttack	+2.6	+1.0	+1.8	+1.9	-1.5	+0.2	+3.2	+0.5	+0.3	+4.2	-1.4	+1.4	+3.2	+0.8	+0.0
Calcutta	+1.7	+0.7	+1.1	+1.4	+1.3	+1.3	+3.9	+0.1	+0.0	+1.1	+0.3	+0.3	+2.0	+3.6	+0.3
Burdwan	+1.6	+1.0	+1.3	+1.0	+0.1	+0.7	+3.2	+3.1	+4.2	+1.5	-0.7	+0.6	+3.5	+1.2	+0.4
Bacon	+1.0	+0.4	+0.7	+1.6	+0.8	+1.2	+4.0	+3.2	+4.0	+0.8	+1.2	+1.0	+3.0	+4.1	+3.0
Purneah	1.4	+2.5	+0.0	-0.4	+2.0	+1.2	-2.0	+7.2	+3.5	-1.0	+2.6	+0.8	-1.8	+1.3	+1.2
Patna	+2.0	+2.6	+2.3	+1.1	+4.2	+2.7	+2.1	+7.5	+4.8	+0.4	+2.4	+1.4	+2.7	+5.1	+3.8
Hazaribagh	-2.8	+0.3	-1.2	-1.7	+0.7	-0.5	+0.7	+4.8	+2.8	+0.7	+0.8	+0.8	+3.3	+4.8	+1.0
Darjeeling	+1.7	+3.0	+3.6	+1.9	+0.6	+0.0	+0.3	+1.4	+0.8	+0.7	+1.1	+1.2	-1.7	-0.1	-0.9

The mean temperature of North Behar during the month was $2\frac{1}{2}^{\circ}$ above the normal; of North Behar, Orissa, and South-West Bengal 2° ; of Chutia Nagpur $1\frac{1}{2}^{\circ}$; and of East Bengal 1° .

Rainfall.—General rain fell during the period from the 9th to the 13th, due primarily to the cyclonic disturbance in the Bay. The Pooree and Cuttack districts received rain on every day of that period; Behar (excepting the Monghyr district) on the 12th, and the Chumparun district also on the 11th. Light showers fell in the 24-Pergunnahs and Midnapore district, and in the most northern districts of North Bengal on the 12th. A few very light local showers of no importance fell in other districts. The rainfall was above the average in Orissa, which received one inch (double its normal amount), and in North Behar, which obtained an average of four-tenths—three times its normal amount. These increased averages were, however, chiefly due to unusually heavy rainfall (for the month) in the Pooree district, which received an average of 2.8 inches, and the Chumparun and Sarun districts, which received 1.05 inches and .53 inch respectively. The rainfall in the whole of Bengal, in Chutia Nagpur, and South Behar was less than a tenth of an inch, and practically nil.

The following table gives the summary of the temperature and rainfall data of each of the seven Meteorological Divisions of the Province for the month of December 1886 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.										RAINFALL.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 1854 May.					
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.				
Orissa	88.4	48.9	79.5	60.3	69.9	+1.8	1.02	0.57	+0.45	1.7	1.2	+0.5	80.98	13.28				
South-West Bengal	87.3	46.8	67.7	57.5	68.1	+1.0	0.04	0.28	-0.24	0.2	0.7	-0.5	53.87	51.61				
East Bengal	86.4	50.1	77.4	57.8	67.6	+1.0	0.02	0.45	-0.41	0.2	1.0	-0.8	70.98	74.30				
North Bengal	82.1	43.9	70.0	51.0	63.9	—	0.06	0.20	-0.14	0.5	0.7	-0.2	75.34	68.94				
North Behar	70.0	41.7	75.0	54.2	61.6	+1.0	0.36	0.14	+0.22	1.1	0.5	+0.6	65.02	61.07				
South Behar	63.5	48.4	75.4	54.1	64.8	+2.5	0.09	0.20	-0.11	0.4	0.6	-0.2	61.87	62.02				
Chutia Nagpur	78.14	40.91	72.01	51.01	63.11	+1.31	Nil	0.35	-0.35	0.0	0.8	-0.8	61.98	48.05				

* Rangpoore and Maldah not included.

† Chyabassa ditto

ASTRONOMICAL OFFICE, BENGAL;

JOHN ELIOT,

The 14th December 1886.

Meteorological Reporter to the Govt. of Bengal.

Meteorological Report of the Province of B

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.													
			DISTRICT.	Representative station.	AIR PRESSURE.			WIND.		TEMPERATURE.						
					Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.
ORISSA.	Pooree	Gopalpore	30.081	30.081	—	NNW	89	81.2	8th Jan.	84.0	1st Jan.	73.8	63.6	70.7	—	
		False Point	30.059	30.081	—0.043	N	184	83.9	6th "	86.0	4th "	79.7	66.2	69.0	+0.4	
	Cuttack	Cuttack	29.970	30.064	—0.061	SE	31	80.4	2, 3, 4 & 6.	88.8	7th "	86.1	60.3	75.5	+3.5	
	Balasore	Balasore	30.057	30.117	—	Northerly	20.1	70.8	6th & 7th Jan.	84.5	2nd & 3rd Jan.	73.6	56.3	64.5	—	
	South-West Midnapore	Baugor Island	30.080	30.077	—0.047	NE	137	79.3	7th "	84.8	2nd "	76.3	60.3	68.5	+1.3	
SOUTH-WEST BENGAL.	South 24 Pargunnahs	Midnapore	29.930	30.080	—	N	46.7	80.3	7th "	80.2	3rd "	81.9	56.6	69.7	—	
	Howrah	Calcutta	30.083	30.075	—0.008	NE	69	81.1	7th "	81.8	3rd "	77.7	66.9	74.3	+1.9	
	Hooghly															
	Burdwan	Burdwan	29.980	30.084	—0.061	NE	33.2	83.8	7th "	80.3	2nd & 3rd Jan.	78.9	54.1	66.5	+1.3	
	Bankoora	Bankoora	29.745	—	—	Calm	5.2	83.1	6th & 7th Jan.	49.8	1st "	75.3	56.1	67.2	—	
	Beerbhoom	Raneegunge	29.742	—	—	WNW	64.9	83.5	7th "	50.0	3rd "	79.4	54.8	67.1	—	
	West Burdwan															
	Moorshedabad	Berhampore	30.007	30.077	—0.039	W	46.2	81.6	7th "	49.6	1st "	76.0	54.0	65.0	+0.1	
	Nuddoa	Krishnagur	30.026	—	—	W & N & NE	42.9	82.8	7th "	46.4	3rd "	77.3	50.3	64.3	—	
	Jessore	Jessore	30.040	30.075	—0.036	Calm	33.3	82.7	7th "	47.9	2nd "	77.7	52.2	65.0	+0.2	
EAST BENGAL.	Khoolna															
	Chittagong	Chittagong	29.972	30.085	—0.030	NNE	48	80.1	7th "	81.2	2nd "	77.6	64.3	66.1	—0.1	
	Chittagong Hill Tracts	Demagiri				Observations not received.										
	Backergunge	Barisal	30.049	30.062	—	Calm	43.8	78.3	7th "	49.1	2nd "	75.4	56.2	65.3	—	
	Noakholly	Noakholly	30.022	30.067	—	WNW & Calm	23.7	78.6	7th "	47.1	3rd "	76.4	50.1	63.3	—	
	Furzedpore	Furzedpore	30.016	—	—	N	41.0	75.6	6th "	48.5	4th "	72.8	53.7	62.7	—	
	Dacca	Dacca	30.062	30.075	—0.017	N	48	80.6	7th "	49.9	1st "	77.5	54.3	65.9	0	
	Tipperah	Comillah	30.024	30.061	—	Northerly	20.8	80.4	1st "	48.1	2nd & 3rd Jan.	78.1	50.8	64.5	—	
	Mymensingh	Mymensingh	30.021	—	—	Eas e ly & Calm.	34	71.4	6th & 6th Jan.	43.1	1st & 4th Jan.	69.3	49.5	59.4	—	
	Bogra	Bogra	29.968	30.033	—	Calm	26.7	78.7	7th "	45.9	1st "	74.8	50.5	62.7	—	
NORTH BENGAL.	Pabna	Serajunge	30.019	30.067	—	NNW	36.5	78.9	7th "	45.4	1st "	75.3	50.7	63.0	—	
	Rajahmhye	Rampore Beaulah.	29.967	30.042	—	N	69.4	78.3	7th "	46.7	3rd "	74.8	49.6	62.3	—	
	Maldah	Maldah	30.047	—	—	NW	15.0	76.4	7th "	43.1	1st "	74.0	49.6	61.8	—	
	Dinagopore	Dinagopore	29.937	30.065	—	NNE	31	75.6	6th & 7th Jan.	42.9	1st "	74.3	49.3	61.3	—	
	Rangpore	Rangpore	29.961	30.092	—	NE	24	78.6	7th "	44.0	1st "	74.3	47.5	60.9	—	
	Julpigoree	Julpigoree	29.771	30.072	—	SE	35.5	73.9	6th & 6th Jan.	48.9	3rd "	78.6	52.3	63.7	—	
	Cooch Behar															
	Darjeeling Hill Districts	Darjeeling	22.974	—	—1.10	N	50.1	44.7	3rd "	33.3	5th "	42.8	34.0	38.4	—1.9	
	Purneah	Purneah	29.965	30.094	—0.032	Calm	8.5	73.3	6th "	41.9	1st "	71.5	47.4	59.5	—1.3	
	North Bhagulpore															
SOUTH BENGAL.	Moulterpore	Moulterpore				Observations suspended.										
	Durbhunga	Durbhunga	29.911	30.086	—0.050	WSW	43	73.9	6th & 7th Jan.	46.5	1st "	71.4	45.9	58.2	+0.6	
	Chumpara	Motihari	29.835	30.073	—	SE	93.3	74.8	7th "	39.7	1st "	71.4	47.7	59.6	—	
	Baran	Chupra	29.872	—	—	WNW	48.6	76.5	7th "	46.6	1st & 2nd Jan.	71.0	50.9	61.3	—	
		Dehree	29.710	30.083	—	SSW	78.0	80.2	7th "	45.9	2nd "	75.0	53.6	64.3	—	
	Shahabad	Buxar	29.629	30.083	—	W	76.3	78.9	6th "	42.4	1st "	73.3	52.6	62.9	—	
		Arrah	29.807	30.074	—	W & W	6.7	77.3	7th "	42.9	1st "	73.1	50.9	61.0	—	
	Gya	Gya	29.684	30.080	—0.003	Variable	36.9	80.7	7th "	44.9	1st & 2nd Jan.	76.5	52.8	64.1	+1.9	
	Patna	Bankipore	29.899	30.093	—0.061	Westerly	15.1	78.3	7th "	44.4	1st "	74.0	51.9	62.9	+3.6	
	South Bhagulpore	Bhagulpore	29.901	30.071	—	W	37	78.4	7th "	44.0	1st "	72.3	50.4	61.6	—	
CENTRAL NAGPUR.	Bonthal Pargunnahs	Doomka	29.661	—	—	Calm	3.3	81.6	7th "	44.5	1st "	77.1	50.4	63.8	—	
	Hazaribagh	Hazaribagh	28.912	30.074	—0.050	SW, NW	140.4	77.9	7th "	46.8	2nd "	74.7	52.8	63.8	+1.3	
	Lohardugga	Ranchee	27.871	30.041	—	NW	118.5	79.1	7th "	45.7	2nd "	76.3	52.0	63.6	—	
	Manbhoom															
	Singbhoom	Chyebasani	29.370	—	—	Easterly	31.0	82.4	7th "	52.2	2nd "	80.3	54.9	67.9	—	

Explanation. — Summary. — The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same period for the humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 7th January 1887.

DISTRICT OBSERVATIONS.															Representative station.	District.	METEOROLOGICAL STATION.	DIV.
No.	Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing stations.	RAINFALL.														
				Of week.		Since 1st of month.			Since 15th May 1886.			Average number of rainy days.	Normal number of rainy days.					
				Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.							
61	0.3	Nil.	Nil.	—	—	—	—	—	—	—	—	—	—	Gopalpur	Poor	ORISSA.		
62	0.4	Nil.	Nil.	0.01	Nil.	0.01	0.01	-0.01	0.18	55.05	+5.53	0.0	0.1	False Point	...			
63	0	Nil.	Nil.	0.08	Nil.	0.03	0.03	-0.03	63.43	51.44	+12.19	0.0	0.1	Cuttack	Cuttack			
64	0	Nil.	Nil.	0.00	Nil.	0.09	0.09	-0.09	57.44	59.53	+3.91	0.0	0.2	Balasore	Balasore			
65	0.1	Nil.	Nil.	0.06	Nil.	0.06	0.06	-0.06	51.45	62.91	-11.46	0.0	0.2	Saugor Island	South-West Midnapore	SOUTH-WEST BENGAL.		
66	0.4	Nil.	0.19	0.08	0.19	0.08	0.08	+0.11	40.01	51.01	-5.60	0.7	0.2	Midnapore	Midnapore			
67	0.1	Nil.	0.02	0.11	0.02	0.11	0.11	-0.09	50.21	51.07	-4.54	0.1	0.2	Coleutta	Howrah			
68	1.7	Nil.	0.05	0.06	0.05	0.06	0.06	-0.01	52.11	46.12	+5.99	0.7	0.1	Burdwan	Burdwan			
69	1.0	Nil.	0.05	0.01	0.05	0.01	0.01	+0.04	52.41	51.96	+0.45	0.8	0.1	Bankura	Bankura	SOUTH BENGAL.		
70	1.0	Nil.	0.47	0.08	0.47	0.08	0.08	+0.39	65.45	51.46	+14.09	1.3	0.2	Ranagunge	Barbhoon			
71	1.1	0.22	0.40	0.06	0.40	0.06	0.06	+0.34	59.16	48.60	+10.46	1.2	0.3	Borhampore	Moorsheadabad			
72	1.1	Nil.	0.03	0.08	0.03	0.08	0.08	-0.05	54.50	48.91	+5.59	0.5	0.2	Krishnagar	Nadda			
73	0.8	Nil.	Nil.	0.11	Nil.	0.11	0.11	-0.11	58.35	58.20	+5.09	0.0	0.2	Jessore	Jessore	SOUTH BENGAL.		
74	0	Nil.	Nil.	0.04	Nil.	0.04	0.04	-0.04	123.89	113.37	+10.52	0.0	0.2	Chittagong	Chittagong			
75	0	Nil.	Nil.	0.10	Nil.	0.16	0.16	-0.16	89.06	82.22	+6.74	0.0	0.5	Demagiri	Chittagong Hill Tracts			
76	2.0	Nil.	0.30	0.23	0.30	0.23	0.23	+0.07	75.22	77.77	-2.55	0.3	0.3	Barrisal	Bakergunge			
77	0	Nil.	Nil.	0.27	Nil.	0.27	0.27	-0.27	114.55	105.65	+8.90	0.0	0.5	Noakhali	Noakhali	SOUTH BENGAL.		
78	0.4	Nil.	0.09	0.09	0.09	0.09	0.09	0	59.72	55.75	+3.97	0.7	0.2	Farrukpore	Farrukpore			
79	1.4	0.02	0.04	0.09	0.04	0.09	0.09	-0.05	75.09	68.26	+6.83	0.3	0.3	Dacca	Dacca			
80	1.3	Nil.	0.11	0.10	0.11	0.10	0.10	-0.04	70.04	70.03	+5.41	0.3	0.3	Comilla	Tipperah			
81	1.9	0.22	0.11	0.08	0.11	0.08	0.08	+0.03	60.70	67.21	-6.51	0.6	0.2	Mymensingh	Mymensingh	SOUTH BENGAL.		
82	1.4	0.50	0.40	0.04	0.40	0.04	0.04	+0.36	65.56	56.91	+8.65	1.0	0.1	Bogra	Bogra			
83	1.4	0.40	0.26	0.06	0.26	0.06	0.06	+0.31	58.68	53.27	+5.41	1.0	0.2	Seragunge	Patna			
84	0.3	0.30	0.40	0.15	0.40	0.15	0.15	+0.25	58.66	55.53	+3.13	1.0	0.3	Rampore Bawalah	Rajshahi			
85	0.9	0.31	0.19	0.06	0.19	0.06	0.06	+0.13	61.46	53.20	+8.26	1.0	0.2	Maldah	Maldah	SOUTH BENGAL.		
86	1.0	Nil.	0.17	0.01	0.17	0.01	0.01	+0.16	72.48	53.49	+18.99	0.8	0.1	Dinapore	Dinapore			
87	0.1	Nil.	0.06	0.02	0.06	0.02	0.02	+0.02	71.05	73.05	-1.10	0.3	0.1	Rungpore	Rungpore			
88	3.0	Nil.	Nil.	0.01	Nil.	0.01	0.01	-0.01	108.15	110.31	-2.16	0.0	0.1	Jalpigoree	Cooch Behar			
89	3.8	Nil.	Nil.	0.05	Nil.	0.06	0.06	-0.06	138.59	110.50	+28.09	0.0	0.3	Darjeeling	Darjeeling Hill Districts	SOUTH BENGAL.		
90	1.9	Nil.	Nil.	0.06	Nil.	0.06	0.06	-0.06	77.55	58.39	+19.16	0.0	0.1	Purneah	Purneah			
91	2.4	Nil.	Nil.	0.13	Nil.	0.12	0.12	-0.12	61.10	42.71	+18.39	0.0	0.3	Mozufferpore	Mozufferpore			
92	5.9	Nil.	Nil.	0.06	Nil.	0.05	0.05	-0.05	60.30	44.49	+15.81	0.0	0.2	Darbhanga	Darbhanga			
93	1.0	Nil.	Nil.	0.04	Nil.	0.04	0.04	-0.04	61.18	41.02	+20.16	0.0	0.3	Chupra	Chupra	SOUTH BENGAL.		
94	2.6	0.30	0.00	0.00	0.00	0.00	0.00	+0.00	54.88	38.43	+16.45	0.5	0.3	Dehra	Shahabad			
95	3.0	Drop	0.00	0.00	0.00	0.00	0.00	+0.00	54.88	38.43	+16.45	0.5	0.3	Buxar	Shahabad			
96	3.6	Nil.	0.00	0.00	0.00	0.00	0.00	+0.00	54.88	38.43	+16.45	0.5	0.3	Arrah	Shahabad			
97	4.0	0.15	0.14	0.04	0.14	0.04	0.04	+0.10	64.37	39.50	+24.78	1.0	0.3	Gya	Gya	SOUTH BENGAL.		
98	5.0	Nil.	0.23	0.00	0.23	0.00	0.00	+0.16	59.56	39.95	+19.61	0.8	0.3	Bankipore	Patna			
99	1.0	0.23	0.24	0.03	0.24	0.03	0.03	+0.21	58.66	41.65	+17.01	1.0	0.2	Blagulpore	South Bhagulpore			
100	0	0.50	0.40	0.04	0.40	0.04	0.04	+0.41	70.18	45.66	+24.52	1.0	0.1	Doomka	Sonthal Pergunnahs			
101	1.0	0.74	0.73	0.01	0.73	0.01	0.01	+0.00	57.44	40.63	+16.81	1.0	0.2	Hazaribagh	Hazaribagh	CHITTA NAG.		
102	3.0	0.09	0.44	0.02	0.44	0.02	0.02	+0.42	48.55	46.34	+2.21	1.0	0.1	Ranchee	Lohardugga			
103	0.3	Nil.	Nil.	0.04	Nil.	0.04	0.04	-0.04	45.50	51.39	-5.89	0.0	0.3	Chyebassa	Manbhoon			
104	0.3	Nil.	Nil.	0.04	Nil.	0.04	0.04	-0.04	45.50	51.39	-5.89	0.0	0.3	Chyebassa	Singbhoon			

The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.
 The amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head "District observations of rainfall" the normal means
 The means of the district are the numerical averages of the rainfall return received in the district, i.e., from the total rainfall at the sub-divisions

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 7th of January 1887.

[illegible]

Statement of Rainfall in Bengal for the week ending Friday (6, p.m.), the 7th of January 1887 -

District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May, 1886.	Average rainfall from 15th May to date.
		1st Saturday, January.	2nd Sunday, January.	3rd Monday, January.	4th Tuesday, January.	5th Wednesday, January.	6th Thursday, January.	7th Friday, January.	Number of rainy days.	of rainfall week.				
Nankholl.	Gourmaddi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	62.70	?
	Banphal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	52.97	?
	Nankholl	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.02	0.18	108.91	108.91
	Fenny	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.37	120.00	107.70
Munshiganj.	Harishpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	13.00	?
	Ramganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	10.02	?
	Madanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.14	66.00	65.00
Munshiganj.	Munshiganj	.....	.....	.....	.....	.....	.....	.....	0.02	1	0.02	0.01	5.48	58.61
	Goulundo	.....	.....	.....	.....	.....	.....	.....	0.25	1	0.25	0.10	2.18	63.67
	Munshiganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.11	84.00	70.15
	Dacca	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.03	0.10	67.17	58.18
Munshiganj.	Narainpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	8.11	50.21
	Munshiganj	.....	.....	.....	.....	.....	.....	.....	0.15	1	0.15	0.11	8.11	50.21
	Joydebpore	.....	.....	.....	.....	.....	.....	.....	0.65	1	0.65	0.65	6.02	?
	Joydebpore	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?	?	?
Tipperah.	Agartala	.....	.....	.....	.....	.....	.....	.....	0.42	1	0.42	0.21	6.45	61.05
	Comilla	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.17	84.14	70.15
	Chandpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.18	87.05	81.05
	Brinjalpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.08	0.48	6.28	62.44
	Ranchandrapore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	64.70	?
	Nazirnagar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	53.10	?
	Bandkand.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	72.50	?
	Kasba	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	67.11	?
	Laksham	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	80.00	?
	Kishorekunda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.11	7.04	60.78
Tipperah.	Atia (Tangail)	.....	.....	.....	.....	.....	.....	.....	0.21	1	0.21	0.25	5.18	59.14
	Nymunah	.....	.....	.....	.....	.....	.....	.....	0.25	1	0.25	0.25	6.07	71.31
	Lamapora	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.00	6.02	61.76
	Natokona	.....	.....	.....	.....	.....	.....	.....	0.04	1	0.04	0.04	78.13	70.13
	Subornakhaty	.....	.....	.....	.....	.....	.....	.....	0.11	1	0.11	0.11	4.13	?
	Daryapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Tipperah.	Dewanganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	62.11	?
	Pabna	.....	.....	.....	.....	.....	.....	.....	0.1	1	0.1	0.27	61.50	54.24
Tipperah.	Chandpur	.....	.....	.....	.....	.....	.....	.....	0.45	1	0.45	0.45	50.45	62.45
	Sherpore	.....	.....	.....	.....	.....	.....	.....	0.10	1	0.10	0.10	64.00	57.77
Tipperah.	Yowahilla	.....	.....	.....	.....	.....	.....	.....	0.30	1	0.30	0.30	61.62	51.36
	Haris	.....	.....	.....	.....	.....	.....	.....	0.45	1	0.45	0.12	65.45	60.92
	Manabhat	.....	.....	.....	.....	.....	.....	.....	0.31	1	0.31	0.01	70.51	61.70
	Benuland	.....	.....	.....	.....	.....	.....	.....	0.28	1	0.28	0.13	61.00	62.19
Tipperah.	Natore	.....	.....	.....	.....	.....	.....	.....	0.50	1	0.50	0.50	50.50	54.97
	Nowgong	.....	.....	.....	.....	.....	.....	.....	0.44	1	0.44	?	68.44	?
	Lalpor	.....	.....	.....	.....	.....	.....	.....	0.26	1	0.26	?	60.00	?
	Manua	.....	.....	.....	.....	.....	.....	.....	0.16	1	0.16	0.10	50.27	?
Tipperah.	Maidat	.....	.....	.....	.....	.....	.....	.....	0.31	1	0.31	0.00	71.21	5.43
	Chanchal	.....	.....	.....	.....	.....	.....	.....	0.07	1	0.07	0.11	51.70	58.04
	Gajol	.....	.....	.....	.....	.....	.....	.....	0.17	1	0.17	?	68.72	?
	Stiganj	.....	.....	.....	.....	.....	.....	.....	0.42	1	0.42	?	65.07	?
Tipperah.	Nohadepore	.....	.....	.....	.....	.....	.....	.....	0.18	1	0.18	0.48	7.05	61.11
	Churamon	.....	.....	.....	.....	.....	.....	.....	0.1	1	0.1	0.05	8.05	57.87
	Hariganj	.....	.....	.....	.....	.....	.....	.....	0.03	1	0.03	0.03	85.00	68.03
	Dinapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.03	7.30	61.01
Tipperah.	Halouchhat	.....	.....	.....	.....	.....	.....	.....	0.28	1	0.28	0.28	60.07	47.37
	Munshiganj	.....	.....	.....	.....	.....	.....	.....	0.15	1	0.15	0.05	64.35	61.43
Tipperah.	(Cyabanda)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.02	60.25	71.7
	Munshiganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	Nil	64.70	72.84
	Kurigram	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	Nil	70.45	54.25
	Bagdogra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	71.08	?
Tipperah.	Ulipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Jalpaiguri	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.03	126.00	116.18
	Alipore Doar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	136.27	?
	Falacotta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	97.73	?
Tipperah.	Laliganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Dimapur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	80.00	95.40
	South Bihar.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	10.00	115.52
	Wakiganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	114.25	101.81
Tipperah.	Wakiganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	113.00	116.90
	Wakiganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Tipperah.	Buxa	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.00	223.00	111.23
	Siliguri	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	144.63	87.16
	Malpukur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.10	113.00	103.83
	Kamrup	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	70.05	70.14
Tipperah.	Kisanganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.05	104.82	61.00
	Ararua	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.04	8.10	61.32
	Ararua	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.05	8.10	61.32
	Ararua	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Tipperah.	Gondwara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Nalutampore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	77.84	?
	Manari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Kalapanj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.07	57.00	48.13
Tipperah.	Madanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.30	60.54	40.55
	Madanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	70.11	?
Tipperah.	Pratabganj	.....	.....	.....	.....	.....	.....	.....	7.33	1	7.33	?	?	?
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.18	72.10	40.95
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.2	55.07	41.28
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.10	53.59	4.01
Tipperah.	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	80.01	?
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	67.35	?
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.03	54.41	40.00
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.00	60.54	43.77
Tipperah.	Pratabganj	.....	.....	.....	.....	.....	.....	.....	0.13	1	0.13	0.03	40.03	40.03
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	40.03	?
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	64.12	?
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	67.77	?
Tipperah.	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	68.14	?
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.05	62.74	42.67
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.05	60.05	67.50
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60.05	?
Tipperah.	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	4.70	?
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Pratabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 7th of January 1887—*conold.*

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 1st of May 1886.	Average rainfall from 1st of May 1886 to date.
			Saturday, 1st January.	Sunday, 2nd January.	Monday, 3rd January.	Tuesday, 4th January.	Wednesday, 5th January.	Thursday, 6th January.	Friday, 7th January.	Number of rainy days.	of rainfall week.				
NORTH BHAR	Sahar	Gopalgunge...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	Nil	58.74	4.0
		Sewai...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.06	58.85	4.0
OUTER BHAR	Shahabad	Chaurah...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.07	57.98	38.7
		Busa...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.10	48.10	37.0
		Dohree...	.....	.....	.....	.....	.....	.....	0.26	1	0.26	0.26	Nil	40.75	30.0
		Bhuboan...	.....	.....	.....	.....	.....	.....	0.17	1	0.17	0.17	0.02	51.93	30.0
		Sasseram...	.....	.....	.....	.....	.....	.....	0.20	1	0.20	0.20	0.03	52.71	30.0
		Arran...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.06	50.74	30.0
		Mohania...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	27.07	?
		Aurungabad...	.....	.....	.....	.....	.....	.....	0.31	1	0.31	0.31	0.04	65.58	41.0
		Gya...	.....	.....	.....	.....	.....	.....	0.15	1	0.15	0.15	0.01	55.77	40.0
		Nowadah...	.....	.....	.....	.....	.....	.....	0.08	1	0.08	0.08	0.01	63.00	38.0
		Johanabad...	.....	.....	.....	.....	.....	.....	0.03	1	0.03	0.03	0.00	62.40	38.0
		Arwal...	.....	.....	.....	.....	.....	.....	0.30	1	0.30	0.30	?	52.87	?
		Jaudnagar...	.....	.....	.....	.....	.....	.....	0.08	1	0.08	0.08	?	53.20	?
		Sherphati...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	57.85	?
		Rajauli...	.....	.....	.....	.....	.....	.....	0.30	1	0.30	0.30	?	?	?
		Pakri Barawan...	.....	.....	.....	.....	.....	0.10	.....	1	0.10	0.10	?	66.71	?
		Patna...	.....	.....	.....	.....	.....	.....	0.08	1	0.08	0.08	0.00	60.31	40.0
		Dumra...	.....	.....	.....	.....	.....	.....	0.41	1	0.41	0.41	0.06	70.10	39.0
		Behar...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.00	52.88	41.0
		Barre...	.....	.....	.....	.....	.....	.....	0.40	1	0.40	0.40	0.04	60.08	29.0
		Dickrui...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Hilsa...	.....	.....	.....	.....	.....	.....	0.11	1	0.11	0.11	?	?	?
		Begona...	.....	.....	.....	.....	.....	.....	0.40	1	0.40	0.40	0.03	40.82	39.0
		Mouhry...	.....	.....	.....	.....	.....	.....	0.22	1	0.22	0.22	0.05	64.22	41.0
		Jamui...	.....	.....	.....	.....	.....	.....	0.00	1	0.00	0.00	0.03	57.58	41.0
		Gopri...	.....	.....	.....	.....	.....	.....	0.15	1	0.15	0.15	?	62.01	?
		Shekhpura...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	61.30	?
		Bhagulpore...	.....	.....	.....	.....	.....	.....	0.23	1	0.23	0.23	0.02	62.35	40.0
		Bhals...	.....	.....	.....	.....	.....	.....	0.15	1	0.15	0.15	0.05	58.95	42.0
		Kolga...	.....	.....	.....	.....	.....	.....	0.20	1	0.20	0.20	?	50.55	?
		Rajmeh...	.....	.....	.....	.....	.....	.....	0.00	1	0.00	0.00	0.01	55.37	40.0
		Godda...	.....	.....	.....	.....	.....	.....	0.47	1	0.47	0.47	0.03	54.16	40.0
		Pakour...	.....	.....	.....	.....	.....	.....	0.53	1	0.53	0.53	Nil	54.01	39.0
		Nya Boma...	.....	.....	.....	.....	.....	.....	0.03	1	0.03	0.03	0.00	70.07	32.0
		Deoghur...	.....	.....	.....	.....	.....	.....	0.34	1	0.34	0.34	0.03	60.40	40.0
		Jamtara...	.....	.....	.....	.....	.....	.....	0.02	1	0.02	0.02	0.00	60.35	47.0
		Sinra...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	54.88	?
		Nankat...	.....	.....	.....	.....	.....	.....	1.20	1	1.20	1.20	?	?	?
		Pacham...	.....	.....	.....	.....	.....	.....	0.27	1	0.27	0.27	0.06	60.21	40.0
		(Girid)...	.....	.....	.....	.....	.....	.....	1.10	1	1.10	1.10	0.07	57.21	47.0
		Hazaribagh...	.....	.....	.....	.....	.....	.....	0.00	1	0.00	0.00	0.03	51.71	40.0
		Somakur...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.08	55.84	40.0
		Manu...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60.00	40.0
		Jhoomra...	.....	.....	.....	.....	.....	.....	0.14	2	0.14	0.14	?	60.73	?
		Barh...	.....	.....	.....	.....	.....	.....	0.64	1	0.64	0.64	?	60.01	?
		Chitra...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	50.35	?
		Haragdeha...	.....	.....	.....	.....	.....	.....	0.50	1	0.50	0.50	?	52.65	?
		Wamphur...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Lohardugga...	.....	.....	.....	.....	.....	.....	0.38	1	0.38	0.38	?	58.58	?
		Manchi...	.....	.....	.....	.....	.....	.....	0.30	1	0.30	0.30	0.02	52.16	41.0
		Palamow...	.....	.....	.....	.....	.....	.....	0.74	1	0.74	0.74	0.01	47.65	41.0
		Silli...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	40.54	?
		Batimat...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	51.00	?
		Husseina...	.....	.....	.....	.....	.....	.....	0.30	1	0.30	0.30	?	?	?
		Gurkha...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60.12	?
		Chyema...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.04	43.50	51.0
		Chakradhar...	.....	.....	.....	.....	.....	.....	0.22	1	0.22	0.22	?	50.42	?
		Chattalia...	.....	.....	.....	.....	.....	.....	0.25	1	0.25	0.25	?	55.06	?
		Baharagura...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	46.25	?
		Purulia...	.....	.....	.....	.....	.....	.....	0.32	1	0.32	0.32	0.02	46.25	0.0
		Gobinapore...	.....	.....	.....	.....	.....	.....	0.39	1	0.39	0.39	0.04	44.48	40.0
		Raghunath...	.....	.....	.....	.....	.....	.....	0.35	1	0.35	0.35	?	60.75	?
		pore...	.....	.....	.....	.....	.....	.....	0.30	1	0.30	0.30	?	26.83	?
		Barrabho...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Jhalda...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	57.94	?
		Chas...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 11th January 1887.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 7TH OF JANUARY 1887.

THE chief feature of the meteorology of the past week was the passage through the province of a cold-weather depression. So far as can be determined from the India weather telegrams sent from Simla daily, this depression originated in the south of Rajpootana or in Central India. It began to affect the weather in Bengal on Thursday afternoon. The barometer fell rather rapidly from that time, and skies began to cloud over on Friday. The central depression appears to have passed through the northern districts of Chutia Nagpur, South Behar, the northern and central districts of South-West Bengal into East Bengal, where it either filled up, or from whence it advanced into North Burmah. It gave overcast skies, thunderstorms, and moderate general rain on the 6th and 8th to Chutia Nagpur, South Behar, and the greater part of Bengal.

Pressure was either normal or slightly below the average at the commencement of the week. It oscillated irregularly, but showed a general tendency to fall during the week, due apparently to some action external to the province. A rapid fall occurred on Friday, which was most marked in South Behar and the central districts of South-West Bengal. Pressure has therefore been below the average during the week, and the defect was very considerable at the end of the week. The mean pressure of the week was '06" in defect in South Behar and a part of South-West Bengal (represented by Bardwan and Calcutta), '05" in Orissa and North Behar, and from '02" to '04" over the remainder of the province.

Temperature was approximately normal from the beginning of the week until the 6th. The formation of cloud and the increased humidity of the air, which accompanied the advance of the depression into Bengal, caused a very considerable increase in the night temperature of the 6th and 7th, and a much smaller increase in the maximum day temperature. The mean temperature of the week is hence generally in excess. The excess averaged 2.5° in Chutia Nagpur, 1.7° in South Behar, and 1° in South-West Bengal and Orissa. The mean temperature of the week was either normal, or slightly in defect in East and North Bengal and North Behar.

The following table gives data for eight representative stations in different districts of the province:—

Table for comparison of actual and normal average temperature.

	Normal mean maximum temperature for the week ending 7th January.	Actual mean maximum temperature for the week ending 7th January.	Variation of actual from normal.	Normal mean minimum temperature for the week ending 7th January.	Actual mean minimum temperature for the week ending 7th January.	Variation of actual from normal.	Normal mean daily temperature for the week ending 7th January.	Actual mean daily temperature for the week ending 7th January.	Variation of actual from normal.
Cuttack	83.1	84.1	+1.0	68.9	68.0	-.9	71.0	69.0	-2.0
Calcutta	78.6	77.7	-.9	54.1	54.0	-.1	65.0	65.0	0.0
Burdwan	78.6	78.9	+.3	54.9	51.1	-3.8	65.2	65.5	+.3
Dacca	77.2	77.6	+.4	54.0	51.2	-2.8	65.9	65.9	0.0
Purneah	74.9	71.6	-3.3	47.0	47.4	+.4	61.3	60.5	-.8
Ranikpoor	73.6	74.0	+.4	48.7	51.0	+.3	60.0	60.0	0.0
Hazariabagh	72.4	74.7	+.3	48.6	52.8	+.4	61.0	63.8	+.3
Darjeeling	65.3	62.4	-2.9	34.6	34.0	-.6	40.0	38.4	-1.6

The greater part of the rainfall accompanying this disturbance fell after 6 P.M. of Friday, and hence the total amounts due to the disturbance will appear in the next report. The rainfall of the 7th was very general in Chutia Nagpur, which received an average of .5 inch, and in South Behar which obtained an average of .24 inch. The southern districts of North Bengal, and the Moorshedabad and Beerbhoom districts, received average amounts varying between .05 inch and .03 inch. The rainfall of the week in other districts was either very small in amount or nil. Protapgunj, in North Bhagulpore, reports 7.43 inches on the 7th, but this is most probably a mistake and is being investigated. Nanihat (in the Southaj Pergunnah) and Perozepore (in Backergunge) each received 1.2 inches on the 7th, and Hazariabagh 1.16 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday the 7th January 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.		Rainy days.			Since 1st of month.		Since 15th May 1886.		
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	86.4	54.0	79.3	59.5	69.4	+1.5	Nil	0.05	-0.03	0.0	0.2	-0.2	Nil	0.05	60.09	53.93
South-West Bengal	86.3	45.4	78.3	54.9	66.6	+1.0	0.13	0.08	+0.05	0.3	0.2	+0.1	0.11	0.08	56.06	51.09
East Bengal	80.6	45.1	75.3	53.4	63.9	0	0.09	0.14	-0.05	0.4	0.3	+0.1	0.09	0.14	80.07	74.03
North Bengal	78.9	42.9	74.3	49.8	62.1	—	0.15	0.04	+0.11	0.5	0.1	+0.4	0.15	0.04	75.40	68.96
North Behar	76.6	39.7	71.6	49.7	60.6	-0.6	0.01	0.07	-0.06	0.1	0.2	-0.1	0.01	0.07	65.25	60.74
South Behar	81.8	42.4	74.6	51.9	63.1	+1.7	0.25	0.05	+0.20	1.0	0.2	+0.8	0.25	0.05	62.11	42.07
Chutia Nagpur	79.1	46.8	75.0	52.4	63.7	+2.5	0.54	0.03	+0.51	1.0	0.2	+0.8	0.54	0.03	53.32	45.06

* Chyabassa not included.

METEOROLOGICAL OFFICER, BENGAL;
The 11th January 1887.

JOHN ELIOT,
Meteorological Reporter to the Govt. of Bengal.

**Results of the Meteorological Observations taken at the Alipore Observatory from
2nd January 1887 to 8th January 1887.**

Month.	Date.	Maximum to sun.	Number of hours of bright sunshine.	Mean pressure barometer at 82 Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Waves recorded.	Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.			
1887.		°		Inches.	°	°		°	°	Inches	°	%				Inches.	
Jan.	2nd	126.6	9.5	30.015	62.2	74.3	21.8	52.5	55.3	0.352	49.3	64	NNE and NNW ...	74	Nil	Clear, Δ	
"	3rd	127.0	9.5	.015	62.4	75.6	23.9	51.7	56.5	.381	51.4	70	N by W and Calm ...	53	"	Clear, Δ .	
"	4th	129.5	9.6	29.981	64.4	77.4	23.6	53.8	58.6	.421	54.2	71	WSW and WNW ...	59	"	Chiefly clear, Δ , \equiv .	
"	5th	130.5	8.6	.937	67.5	80.4	22.6	57.8	62.1	.489	58.3	75	SSW, WNW and SW by W.	70	"	Chiefly clear, Δ , \equiv .	
"	6th	132.6	9.5	.946	68.9	81.1	22.8	58.3	63.4	.514	59.7	75	SSW, WNW and SW by W.	71	"	Chiefly clear, Δ .	
"	7th	131.3	8.9	.933	69.3	81.1	19.3	61.8	64.1	.531	60.6	76	SW by W, NNW and variable.	137	0.93	Chiefly cloudy, Δ , \wedge , \circ , κ , \cup , ρ , κ .	
"	8th	115.5	1.7	.947	66.0	76.9	15.7	61.2	64.3	.583	63.3	91	WSW and variable	77	0.83	Chiefly cloudy, \circ , \wedge , \cup , ρ .	

The mean pressure of the seven days ... inches. 29.968
The average pressure of the corresponding period for 24 years, S. G.'s Office ... 30.022

The total number of hours of bright sunshine ... 57.3
The maximum possible number of hours of sunshine ... 75.8

The mean temperature of the seven days ... 65.8
The average temperature of the corresponding period for 24 years, S. G.'s Office ... 67.5
The extreme variation of temperature ... 29.4
The maximum temperature ... 81.1

The highest velocity of the wind in one hour ... 18

The highest pressure of wind on one square foot ... 12

The mean relative humidity ... 75
The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... 72

The total fall of rain from 2nd to 8th January 1887 ... inches. 1.26
The average fall of the corresponding period for 24 years, S. G.'s Office ... 0.09
The total fall from 1st to 8th January 1887 ... 1.26
The average fall of the corresponding period for 24 years, S. G.'s Office ... 0.09

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

O overcast, g gloomy, t thunder, p passing temporary showers, κ thunderstorm, Δ dew, \wedge lighting, \equiv fog.

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of India.

• METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 10th January 1887.

**Abstract of the results of Meteorological Observations taken at the Alipore
Observatory in the month of December 1886.**

	Inches.	Date	Hour.
The mean pressure of the month	30.020		
The average pressure of December from 24 years' registers	30.027		
The highest pressure in the month	30.197	26th	10h.
The lowest pressure in the month	29.878	1st	16h.
The range of pressure	0.319		
	Hours.		
The total number of hours of bright sunshine during the month	269.0		
The maximum possible number of hours of sunshine	332.8		
	°		
The mean temperature of the month	67.1		
The average temperature of December from 24 years' registers	68.0		
The highest temperature in the month	84.8	9th	
The lowest temperature in the month	52.1	18th	
The range of temperature during the month	32.7		
The mean daily range of temperature	20.0		
The greatest range of temperature in one day	23.6	27th	
	Per cent.		
The mean humidity of the month	73		
The average humidity of December from 24 years' registers	71		
	Inches.		
The mean vapour tension of the month	0.481		
The average vapour tension of December from 9 years' registers	0.476		
The mean cloud proportion of the month	1.65		
The average cloud proportion of December from 9 years' registers	1.90		
	Inches.		
The total rainfall of the month	Nil.		
The total rainfall indicated by a Beekley's self-registering rain-gauge (mouth of the gauge about 5.2 feet above the ground)	Nil.		
The average fall of December from 48 years' registers	0.23		
The greatest fall in 24 hours	Nil.		
	Days.		
The number of rainy days in the month	Nil.		
The average number of rainy days in December from 24 years' registers	1		
	°		
The mean maximum equilibrium temperature of solar radiation during the month	130.3		
The mean difference of sun and air temperatures	52.1		
The greatest sun temperature	143.7	9th	
The greatest excess of sun over air temperature	59.0	11th	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	48.9		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	9.3		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	13.8	8th	
	Miles.		
The mean movement of the wind per day	68.3		
The greatest movement of the wind in one day	120.0	30th	
The greatest movement of the wind in one hour	12.0	5th	11 to noon.
The number of hours with winds from each of the 8 points—			

N. 258, NE. 25, E. 29, SE. 49, S. 16, SW. 47, W. 110, NW. 155, Calm 55.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of former years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore .003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 2.3° lower; and, finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards, is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 11th January 1887.

HENRY F. BLANFORD,
Meteorological Reporter to the Govt of India.

**Results of the Thermometrical Observations taken at the Meteorological Office,
Chowringhee, from 2nd to 8th January 1887.**

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1887.		°	°		°		Inches.	°	%	Inches.
January	2nd	64.0	76.0	22.1	53.9	57.4	.386	51.8	65	Nil.
"	3rd	64.0	77.2	25.5	51.7	57.3	.383	51.6	64	"
"	4th	66.0	78.0	24.8	54.1	60.4	.453	56.2	70	"
"	5th	68.6	81.0	23.2	58.7	61.9	.466	57.0	66	"
"	6th	70.2	82.0	23.8	59.1	65.7	.574	62.9	78	"
"	7th	70.8	81.9	20.0	61.9	64.0	.607	59.3	67	"
"	8th	64.6	79.9	18.2	61.7	64.5	.608	64.6	99	1.08

The mean temperature of the seven days ... 66.9
 The extreme variation of temperature ... 31.2
 The maximum temperature ... 82.9

The mean relative humidity ... 73

The total fall of rain from 2nd to 8th January 1887 ... 1.08

The mean temperature and humidity are obtained by applying to the mean of the 10a, 16a, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA.

The 10th January 1887.

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of India.

**Abstract of the results of the Thermometric Observations taken at the Meteorological
Office, Chowringhee, in the month of December 1886.**

	☉	Date.
The mean temperature during the month	68.3	
The highest temperature during the month	86.7	9th.
The lowest temperature during the month	52.1	18th.
The range of temperature during the month	34.6	
The mean daily range of temperature during the month	20.9	
The greatest range of temperature in one day during the month	24.4	26th.
	%	
The mean humidity during the month	72	
	Inches.	
The mean vapour tension during the month	.499	
The total rainfall of the month	Nil.	
The greatest fall in 24 hours	Nil.	
The number of rainy days in the month	Nil.	

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;

Calcutta, the 3rd January 1887.

MEMORANDUM.

The principal Municipalities in Bengal presented, during the week ending 18th December 1886, a birth-rate of 26·5 per 1,000 of population against very nearly the same proportion, viz., 26·8 per 1,000 in the preceding week ending 11th December, and a death-rate of 41·4 against 44·7 per 1,000, indicating a large decrease in the registration of the events.

2. The following Municipalities furnished the highest proportions of births and deaths:—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Comillah	...	57·7	Naraingunge	...	82·8
Chittagong	...	47·1	Serampore	...	80·5
Monghyr	...	43·4	Suburbs of Calcutta	...	64·3
Durbhanga	...	38·5	Beaulah	...	60·4
Bhagulpore	...	38·0	Darjiling	...	58·7
Gya	...	36·3	Purneah	...	55·4
Naraingunge	...	33·1	Hughli	...	52·4
Serampore	...	31·4	Dacca	...	46·7
			Gya	...	46·4
			Comillah	...	46·2
			Santipore	...	45·6
			Bali	...	42·1
			Midnapore	...	40·2
			Puri	...	39·9
			Bhagulpore	...	39·8
			Mozufferpore	...	37·7
			Durbhanga	...	36·2
			Howrah	...	35·5
			Monghyr	...	30·7
			Burdwan	...	30·5

3. The subjoined table indicates that, as compared with the outcome of the preceding week, there was a sensible abatement in the death-rates from cholera and fever, while the fatal results from the other diseases exhibited fractional variations:—

			Ratio per mille during the weeks ending—	
			18th December 1886.	11th December 1886.
Cholera	...	...	10·0	11·7
Small-pox	...	...	...	·03
Fever	...	...	15·2	10·6
Bowel-complaints	...	...	5·9	6·3
Injury	...	...	·4	·3
Other causes	...	...	9·9	9·7

4. Excluding small-pox, from which no death was reported to have occurred, and injury, the mortality from which was nowhere high, the rest of the maladies above specified exhibited greatest severity in the following Municipalities:—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Naraingunge	62·1	Beaulah	49·9	Darjiling	26·1	Gya	24·5
Santipore	40·3	Purneah	48·5	Serampore	23·5	Comillah	23·1
Bhagulpore	18·1	Serampore	27·5	Puri	12·6	Serampore	19·6
Dacca	16·8	Hughli	25·5	Hughli	12·1	Suburbs of Calcutta	16·5
Suburbs of Calcutta	16·5	Suburbs of Calcutta	23·8	Midnapore	10·8	Puri	14·7
Hughli	14·8	Bali	21·1			Bhagulpore	14·5
Bali	14·0	Mozufferpore	20·7			Durbhanga	11·8
Howrah	10·9						
Serampore	9·8						
Durbhanga	7·9						
Patna	7·5						
Mozufferpore	6·1						

It will be noticed that the mortality from cholera in the Naraingunge and Bali towns, although yet high, was considerably below that of the preceding week, and that the same disease prevailed in the Santipore town with greater severity.

5. Distributed under the heads of Sex, Class and Age, the mortality of the week under review stood as follows:—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	41·7	Christians	26·1	Under 1 year	259·0
Females	41·2	Hindus	41·5	1 and under 5 years	60·7
Ratio of male deaths to every 100 female deaths	114	Mahomedans	41·5	5 " " 10 " "	20·2
		Buddhists	96·7	10 " " 15 " "	18·5
				15 " " 20 " "	27·7
				20 " " 30 " "	26·1
				30 " " 40 " "	26·2
				40 " " 50 " "	33·7
				50 " " 60 " "	57·3
				60 years and upwards	109·8

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 10th January 1887.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 18th December 1886.

DISTRICTS.	POPULATION				BIRTHS.				DISEASE.										SEX.				Ratio of male deaths to every 100 female deaths.				
	NAMES OF MUNICIPAL PALICIES.				NUMBER—		RATIO PER 1,000 OF POPULATION PER ANNUM.		RATIO OF MALE BIRTHS TO EVERY 100 FEMALE BIRTHS.		DEATHS FROM —					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.			RATIO PER 1,000 OF POPULATION PER ANNUM.			
	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Small-pox.	Measles.	Whooping-cough.	Dysentery.	Diarrhoea.	Other causes.	All causes.	Small-pox.	Measles.	Whooping-cough.	Dysentery.	Diarrhoea.	Other causes.	All causes.		Males.	Females.	Males.	Females.
Burdwan	12,000	10,417	22,417	100	137	137	27.5	100	13	13	2	2	2	2	20	19.5	7.4	3.0	30.5	39.5	6	14	17.3	45.4	42		
Midnapore	10,179	9,519	19,698	106	77	124	30.1	62	2	2	7	7	7	7	25	13.9	10.8	9.1	40.2	35.6	13	19	29.7	40.8	109		
Hughli and Chinsurah	12,339	12,017	24,356	102	81	176	30.2	102	11	19	9	9	9	9	30	27.3	12.1	12.1	52.1	61.5	21	18	26.9	47.9	116		
Serampore	3,000	2,461	5,461	100	14	14	31.1	77	5	14	12	12	12	12	41	27.5	23.5	19.6	80.5	92.2	24	17	22.0	48.3	161		
Howrah	53,168	37,680	90,848	82	42	109	33.1	24.0	19	13	13	13	13	13	62	7.4	7.4	9.4	18.0	10.1	1	1	17.0	21.1	160		
Suburbs of Calcutta	13,385	14,244	27,629	92	14	14	36.0	20.8	8	11	11	11	11	11	31	11.3	7.0	16.5	61.3	70.9	160	162	38.7	70.8	119		
Kishinagar	4,028	4,635	8,663	86	11	15.1	36.6	20.8	2	2	2	2	2	2	4	12.0	4.0	4.0	24.0	71.9	3	1	38.7	11.2	300		
Banachal	13,708	15,079	28,787	92	10	10.5	7.0	17.5	23	3	3	3	3	3	28	17.2	5.1	5.1	17.5	35.1	13	13	40.3	42.8	109		
Gaolapore	4,630	3,635	8,265	122	2	12.9	19.9	19.9	1	19	9	9	9	9	21	26	6.1	6.1	6.1	6.1	55.2	12	11	57.9	63.1	169	
Jessore	10,706	9,025	19,731	100	5	13.1	7.9	21.0	1	19	9	9	9	9	21	26	6.9	6.9	7.9	63.4	55.2	12	11	57.9	63.1	169	
Tampara Bazarah	5,050	2,047	7,097	100	1	1	6.5	6.5	2	3	3	3	3	3	3	3	10.5	3.1	13.6	38.7	42.2	8	1	82.7	17.6	900	
Darjiling	42,782	37,373	80,155	122	18	40	11.7	28.0	20	20	13	13	13	13	72	12.8	8.4	8.4	67.7	62.2	40	82	48.6	41.5	123		
Dacca	7,015	4,865	11,880	100	5	8	20.7	33.1	15	2	2	2	2	2	8	6.1	8.3	8.3	41	111.4	17	3	116.2	35.3	506		
Narainpore	13,519	8,770	22,289	100	10	20	23.5	37.1	2	3	4	4	4	4	6	12	7.7	7.0	7.0	18.4	9.4	7	1	27.3	5.9	700	
Chittagong	8,153	5,363	13,516	100	5	15	35.3	19.2	2	6	6	6	6	6	12	7.7	1	1	25.4	8.5	8	4	51.0	38.8	200		
Tipperah	78,782	42,475	121,257	105	72	129	11.3	23.3	23	37	9	9	9	9	20	91	7.6	12.0	6	28.6	28.6	48	43	31.7	27.4	111	
Patna	38,490	37,831	76,321	65	53	163	21.9	36.3	2	23	7	7	7	7	36	65	1.4	13.7	21.5	46.4	39.7	33	28	44.3	49.1	94	
Gya	59,059	22,503	81,562	2.4 No female births.	9	9	9	9	...	1	1	1	1	1	...	1	1.2	3.4	No male deaths.
Shahabad	53,084	19,683	72,767	67	21	44	8.5	13.4	6	17	2	2	2	2	6	31	6.1	9.7	7.4	37.7	37.7	11	20	24.8	68.0	25	
Muzafferpore	53,776	32,822	86,598	183	49	22.9	16.5	39.5	10	11	10	10	10	10	13	46	7.9	9.6	11.9	56.2	39.9	21	23	32.3	40.2	64	
Darbhanga	26,041	27,555	53,596	140	14	68	4.9	11.7	...	6	1	1	1	1	2	3	...	1.0	1.9	2.9	11.7	2	1	4.0	1.9	500	
Saran	26,269	27,813	54,082	160	21	42	19.0	38.0	20	6	2	2	2	2	16	44	19.1	5.4	16.5	37.9	61.5	20	24	35.1	44.9	63	
Bhagalpore	26,154	26,593	52,747	128	27	48	24.4	43.4	...	21	6	6	6	6	6	36	...	19.0	5.4	30.7	38.0	19	15	33.1	36.6	128	
Monohyr	8,423	6,351	14,774	166	2	4	6.9	13.6	...	13	1	1	1	1	1	16	...	6.5	3.4	5.4	53.4	9	7	53.5	53.5	129	
Purneah	13,247	11,527	24,774	68 No female births.	5	5	6.3	6.3	...	4	6	6	6	6	7	10	4.7	8.6	10.7	36.9	59.6	15	6	51.0	27.0	216	
Puri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

MORTALITY ACCORDING TO—

Age.

Class.

DISTRICTS.
NAMES OF MUNICIPALITIES.

DEATHS AMONG—

RATIO PER 1,000 OF POPULATION PER ANNUM.

DEATHS.

RATIO PER 1,000 OF POPULATION PER ANNUM.

	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 and under 70 years.	70 years and up.
Burdwan	13	6	5	...	...	32.9	35.3	...	...	1	1	1	1	1	1	1	1	1	1	315.8
Midnapore	21	5	5	...	...	43.1	39.0	...	...	2	2	1	1	1	1	1	1	1	1	188.9
Hughli and Chinsurah	57	12	...	...	...	44.4	91.4	...	...	7	7	1	1	1	1	1	1	1	1	134.6
Swampore	39	8	...	...	...	73.3	187.4	...	...	6	6	1	1	1	1	1	1	1	1	331.7
Utterpara	2	...	...	...	...	19.5	...	...	...	1	1	...	...	...	...	...	...	...	...	300.0
Howrah	42	21	...	...	...	32.1	54.7	...	...	10	6	1	1	1	1	1	1	1	1	133.8
Bali	11	1	...	...	...	42.7	38.7	...	...	1	1	2	...	...	...	...	...	...	...	294.3
Suburb of Calcutta	192	115	...	...	...	51.4	67.6	...	...	53	33	12	15	20	48	88	24	35	30	100.6
Kalighat	1	6	6	...	...	91.7	167.7	...	...	3	...	...	...	...	...	...	...	...	...	301
Race-ghat	1	3	...	...	...	...	7.1	114.3	...	1	...	...	...	...	...	...	...	...	...	...
Sanjibpur	22	4	...	...	...	55.3	23.3	...	...	4	4	4	3	...	...	...	...	...	...	133.4
Jeonore	1	...	...	...	...	11.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rajshahye	11	12	...	...	...	37.5	63.0	...	...	3	3	1	1	1	5	2	1	2	...	216.0
Darjiling	1	6	...	...	...	46.5	47.9	...	...	1	...	...	...	...	...	...	...	...	...	...
Dacca	37	33	...	...	...	50.3	13.0	...	...	6	3	5	2	6	6	10	10	7	...	136.8
Naraingunge	11	9	...	...	...	99.4	75.0	...	...	1	1	2	1	1	1	1	1	1	...	79.8
Chittagong	4	2	2	...	...	33.5	6.8	...	...	1	1	...	...	...	...	...	...	...	...	130.7
Coximilla	6	6	...	...	...	52.5	4.2	...	...	1	1	...	...	...	...	...	...	...	...	76.7
Patna City	73	19	...	...	...	31.9	22.9	...	...	16	11	7	2	2	0	6	3	10	23	86.6
Gya	56	12	...	...	...	45.3	38.8	...	...	10	0	...	...	...	...	...	...	...	...	152.0
Shahabad	1	...	...	...	...	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Moulvibazar	22	0	...	...	...	38.9	37.5	...	...	1	3	3	2	3	7	2	2	7	...	...
Darbhanga	39	10	...	...	...	32.2	47.4	...	...	11	10	2	2	1	3	3	7	7	...	...
Chupra	2	1	...	...	...	25	4.3	...	...	1	1	...	...	...	...	...	...	...	...	...
Bagalpur	32	12	...	...	...	41.8	50.2	...	...	7	8	4	2	1	1	1	6	1	...	14.9
Monohar	32	2	...	...	...	37.2	8.3	...	...	6	5	4	...	...	...	...	...	...	...	10.11
Purneah	9	7	...	...	...	51.0	64.0	...	...	2	1	1	1	1	2	3	1	2	...	87.0
Puri	19	...	...	...	...	40.3	...	...	...	...	...	...	...	...	...	...	...	...	...	126.6
Total	673	313	4	...	...	41.3	41.6	...	...	151	128	51	41	63	130	115	104	105	170	10.99

OFFICE OF SANITARY COMMISSIONER FOR BENGAL.

The 10th January 1887.

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

MEMORANDUM.

The birth and death returns of the principal Municipalities in Bengal yielded the following results for the week ending 25th December 1886 :—

1. That the ratios per *mille* of births and deaths for the period above referred to stood at—births 26·7 as opposed to very nearly the same proportion, viz. 26·5, during the preceding week ending 18th December—deaths at 39·7 against 41·4, indicating great reduction in the registration of the events.

2. That the following Municipalities registered the highest proportions of births and deaths :—

Births.			Deaths.		
		Ratio per <i>mille</i> .			Ratio per <i>mille</i> .
Comillah	...	65·5	Naraingunge	...	120·1
Durbhanga	...	64·5	Serampore	...	64·8
Utterpara	...	47·2	Suburbs of Calcutta	...	62·0
Monghyr	...	43·4	Durbhanga	...	54·8
Naraingunge	...	37·3	Hughli	...	53·7
Bali	...	35·1	Purneah	...	51·9
Serampore	...	33·4	Puri	...	50·4
Howrah	...	33·2	Dacca	...	46·1
Gya	...	30·8	Beauleah	...	42·0
			Bhagulpore	...	40·8
			Kishnaghur	...	39·7
			Bali	...	38·6
			Gya	...	38·2
			Howrah	...	38·8

3. That in comparison with the results of the preceding week, the only noticeable point is, that there was a sensible abatement in the mortality from cholera, *vide* subjoined table :—

			Ratio per <i>mille</i> during the weeks ending—	
			25th Dec. 1886.	18th Dec. 1886.
Cholera	...	...	7·8	10·0
Small-pox	...	...	...	...
Fever	...	...	15·2	15·2
Bowel-complaints	...	...	6·4	5·9
Injury	...	...	2	4
Other causes	...	...	10·1	9·9

4. That the above mentioned death-causes (excepting small-pox from which no death was reported, and injury the casualties from which were nowhere large, caused the greatest loss of life in the following Municipalities :—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per <i>mille</i> .		Ratio per <i>mille</i> .		Ratio per <i>mille</i> .		Ratio per <i>mille</i> .
Naraingunge	86·9	Beauleah	36·8	Puri	16·8	Serampore	23·5
Bhagulpore	20·8	Purneah	27·7	Bali	14·0	Dacca	16·2
Kishnaghur	18·9	Serampore	27·5	Serampore	11·8	Gya	15·7
Suburbs of Calcutta	13·6	Hughli	25·5	Suburbs of Calcutta	10·7	Midnapore	15·5
Dacca	10·4	Jessore	24·4	Durbhanga	10·2	Puri	14·7
Hughli	9·4	Durbhanga	23·6			Suburbs of Cal-	
Howrah	9·2	Suburbs of Calcutta	23·0			cutta	14·5
Santipore	7·0					Durbhanga	14·2
Durbhanga	6·2						
Patna	3·6						

It will be observed that, in comparison with the preceding week, cholera prevailed with added severity in the Naraingunge Municipality.

That the death-rates, in relation to *Sex*, *Class* and *Age*, were returned at the rates noted below :—

According to Sex.		According to Class.		According to Age.	
	Ratio per <i>mille</i> .		Ratio per <i>mille</i> .		Ratio per <i>mille</i> .
Males	39·9	Christians	26·1	Under 1 year	252·1
Females	39·4	Hindus	39·3	1 and under 5 years	56·9
Ratio of male deaths to every 100 female deaths	114	Mahomedans	41·4	5 " 10 "	19·0
				10 " 15 "	17·6
				15 " 20 "	24·6
				20 " 30 "	24·5
				30 " 40 "	31·4
				40 " 50 "	29·2
				50 " 60 "	43·7
				60 years and upwards	98·8

R. LIDDESDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 10th January 1887.

MORTALITY ACCORDING TO—

Disease.

BIRTHS.

POPULATION.

NAMES OF MUNICI-
PALITIES.

Sex.

DISTRICTS.	NAMES OF MUNICIPALITIES.	NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.			DEATHS FROM—										RATIO PER 1,000 OF POPULATION PER ANNUM.			DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male deaths to every 100 female deaths.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		Males.	Females.	Total.	Males.	Females.	Total.	Cholera.	Small-pox.	Typhoid.	Bowel-complaints.	Injury.	Other causes.	All causes.	Ratio of male deaths to every 100 female deaths.	Males.	Females.	Ratio of deaths per 1,000 of the population per annum in the previous week.	Males.	Females.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Bardwan	Bardwan	18,683	16,017	34,660	9.3	4.6	9.3	100	9	4</

A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1891, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "Age," the ratios under which have been omitted, in as much as the census of the Europeans, above alluded to, cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

		13		14		15		16		17		18	
MORTALITY ACCORDING TO—													
		Class.				Age.							
		DEATHS AMONG—				RATIO PER 1,000 OF POPULATION PER ANNUM.				RATIO PER 1,000 OF POPULATION PER ANNUM.			

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of October 1886.

ORISSA CIRCLE.

TALDUNDAH CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDA CANAL 27 MILES.
MACHGONG " 4 "

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
1	1. Grain ...	.....	6	6	150	6	150	
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
.....	3. Oilseeds ...	.....	.....	.....	.....	.....	.....
.....	4. Salt ...	.....	.....	.....	.....	.....	.....
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
.....	7. Building materials ...	.....	.....	.....	.....	.....	.....
.....	8. Miscellaneous ...	.....	.....	.....	.....	.....	.....
.....	9. Fuel ...	.....	.....	.....	.....	.....	.....
.....	10. Timber ...	.....	.....	.....	.....	.....	.....
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
1	12. Total ...	.....	6	6	150	6	150	
45	13. Total of same month last year ...	.....	.....	132	7,032	93	7,901	

4. Total number of boats plying cargo No.	.....	1	1	Total tollage of month— 24+25+26 ...	Rs. A. P. 1 7 0
5. Total number of boats plying passenger No.	.....	.....	.....	Total tollage of same month last year ...	109 9 6
6. Total registered tonnage, cargo ...	4	9	13	Memorandum of Tollage.	
7. Total registered tonnage, passenger ...	.....	.....	.....
8. Ten-mileage ...	40	90	130		
9. Estimated value of cargo Rs.	.....	150	150		
10. Number of passengers No.	.....	.....	.....	1. Balance not recovered on the 1st of the month ..	Rs. A. P. 3 2 0
11. Rafts, bamboos c. ft.	.....	.....	.....	2. Tollage per month ...	1 7 0
12. Do., bullocks "	.....	.....	.....
13. Estimated value of rafts Rs.	.....	.....	.....	3. Total ...	4 9 0
14. Tollage on boats "	0-3-0	.....	0-3-0		
15. Compounded tollage on boats Rs.	.....	1-4-0	1-4-0	4. Amount credited in the accounts of the month ...	3 2 0
16. Tollage on rafts "	.....	.....	.....
17. Total tollage on boats per ton-mile ...	.....	.....	1-75		
18. Total tollage on rafts per 100 cubic feet ...	.....	.....	.....	5. Balance due at the end of the month ...	1 7 0

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupces.	Tons.	Rupces.	
25	1. Grain ...	95	110	205	19,440	205	19,440	
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
14	3. Oilseeds ...	61	231	295	29,660	295	29,660	
15	4. Salt ...	92	27	119	13,170	119	13,170	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metals ...	.....	.....	.....	.....	.....	.....
2	7. Building materials ...	.....	9	9	20	9	20	
273	8. Miscellaneous ...	1,763	948	2,711	1,79,500	2,709	1,79,500	
10	9. Fuel ...	16	4	20	90	20	90	
.....	10. Timber ...	.....	.....	.....	.....	.....	.....
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
339	12. Total ...	2,030	1,329	3,359	2,41,880	3,357	2,41,880	
595	13. Total of same month last year ...	.....	.....	2,570	2,30,050	2,557	2,29,500	

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats plying cargo ... No.	199	140	339	Total tollage of month— 24 + 25 + 26 ...	2,318 9 5
15. Total number of boats plying passengers ... No.	69	33	102	Total tollage of same month last year ...	3,572 9 10
16. Total registered tonnage, cargo ...	2,030	1,329	3,359	<i>Memorandum of Tollage.</i>	
17. Total registered tonnage, passengers.	1,656	782	2,438		
18. Ton-mileage ...	49,511	43,956	93,467		
19. Estimated value of cargo Rs.	1,81,690	60,190	2,41,880		
20. Number of passengers No.	4,020	821	4,841		
21. Rafts, bamboos ...	.....	.....	.....	1. Balance not recovered on the 1st of the month ...	5,029 15 3
22. Do, bullahs ...	.....	.....	.....	2. Tollage per month ...	2,318 9 5
23. Estimated value of rafts ...	.....	.....	.....	3. Total ...	7,348 8 8
24. Tollage on boats Rs.	1,442-6-7	876-2-10	2,318-9-5	4. Amount credited in the accounts of the month ...	3,117 13 4
25. Compounded tollage on boats Rs.	.....	.....	.....	5. Balance due at the end of the month ...	4,230 11 4
26. Tollage on rafts ..	.....	.....	.....
27. Total tollage on boats per ton-mile ...	.....	.....	4-8		
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	.....

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 33 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	
21	1. Grain ...	90	.....	90	5,000	90	5,020
1	2. Cotton ...	.....	3	3	800	3	800
8	3. Oilseeds ...	32	.....	32	3,130	32	3,130
51	4. Salt ...	.....	129	129	10,860	129	10,800
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
1	7. Building materials ...	.....	3	3	70	3	70
141	8. Miscellaneous ...	289	400	689	40,350	689	40,350
40	9. Fuel ...	115	.....	115	300	115	300
2	10. Timbers ...	5	.....	5	140	5	140
.....	11. Bamboos ...	.....	.....	.....	.....	...	...
265	12. Total ...	531	535	1,066	60,610	1,066	60,610
323	13. Total of same month last year ...	.....	.....	748	74,740	748	74,740

	Up.	Down.	Total.		Rs. A. P.
1. Total number of boats plying cargo ... No.	142	123	265	Total tollage of month— 21 + 25 + 26 ...	574 4 3
2. Total number of boats plying passengers ... No.	8	1	9	Total tollage of same month last year ...	547 9 8
3. Total registered tonnage, cargo ...	531	535	1,066	<i>Memorandum of Tollage.</i>	
4. Total registered tonnage, passenger ...	14	4	18		
5. Ton-mileage ...	14,028	12,991	27,019		
6. Estimated value of cargo Rs.	41,810	18,800	60,610		Rs. A. P.
7. Number of passengers No.	56	2	58	1. Balance not recovered on the 1st of the month ...	152 4 6
8. Rafts, timbers ... ft.	473	...	473	2. Tollage per month ...	574 4 3
9. Do., bullocks ...	.....	.....	.....	Total ...	726 8 9
10. Estimated value of rafts lbs.	950	.....	950		
11. Tollage on boats ...	286-15-6	229-14-6	516-14-0	3. Amount credited in the accounts of the month ...	510 9 3
12. Compounded tollage on boats ... Rs.	.....	.....	.....
13. Tollage on rafts ...	57-6-3	.....	57-6-3	4. Balance due at the end of the month ...	215 15 6
14. Total tollage on boats per ton-mile ...	.....	.....	4-1		
15. Total tollage on rafts per 100 cubic feet ...	.....	.....	.....

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

Number of boats or rafts.	Description.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
11	1. Grain ...	13	62	75	75	1,917	
1	2. Cotton ...	.....	2	2	2	300	
6	3. Oilseeds ...	31	.....	31	31	1,070	
2	4. Salt ...	15	.....	15	15	1,070	
5	5. Piece-goods ...	33	.....	33	33	4,610	
1	6. Metal ...	.....	9	9	9	.....
21	7. Building materials ...	325	.....	325	5	75	
79	8. Miscellaneous ...	210	257	467	275	13,146	
5	9. Fuel ...	44	.....	44	.....	62	
2	10. Timber ...	.....	.....	.....	.....	120	
.....	11. Bamboos ...	.....	.....	.....	.....	.....
133	12. Total ...	671	330	1,001	445	22,308	
206	13. Total of same month last year ...	.....	.....	341	306	30,876	

	Up.	Down.	Total.		Rs. A.
14. Total number of boats plying cargo No.	69	61	130	Total tollage of month— 24 + 25 + 26 ..	157 5
15. Total number of boats plying passenger No.	1	2	3	Total tollage of same month last year ...	155 4
16. Total registered tonnage, cargo ...	669	322	991	Memorandum of Tollage.	
17. Total registered tonnage, passenger ...	2	8	10		
18. Ton-mileage ...	14,132	3,626	17,758		
19. Estimated value of cargo Rs.	22,019	1,645	23,694		
20. Number of passengers No.	219	344	563	1. Balance not recovered on the 1st of the month ...	4 9
21. Rafts, bamboos c ft.	.....	.....	.....	2. Tollage per month ...	157 5
22. Do, bullahs ..	40	51	91	3. Total ...	161 14
23. Estimated value of rafts Rs.	120	.....	120	4. Amount credited in the accounts of the month ...	161 14
24. Tollage on boats ..	116-15-6	37-3-3	154-2-9	5. Balance due at the end of the month ...	.....
25. Compounded tollage on boats ... Rs.	.....	.....	.....
26. Tollage on rafts ..	2-14-0	0 4-3	3-2-3		
27. Total tollage on boats per ton-mile ..	.....	.....	0-0-1-6		
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	3-6-2		

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
7	1. Grain ...	13	32	45	45	1,630	
	2. Cotton ...	.....	.....	.....	.....	.....
	3. Oilseeds ...	10	.....	10	10	560	
4	4. Salt ...	16	8	24	24	1,296	
	5. Piece-goods ...	.....	.....	.....	.....	.....
	6. Metal ...	.....	.....	.....	.....	.....
18	7. Building materials ...	286	.....	286	.....	.....
59	8. Miscellaneous ...	135	150	3.5	202	17,900	
	9. Fuel ...	.....	.....	.....	.....	.....
	10. Timber ...	.....	.....	.....	.....	.....
	11. Bamboos ...	.....	.....	.....	.....	.....
89	12. Total ...	460	220	680	281	21,386	
70	13. Total of same month last year ...	.....	.....	121	121	10,976	

	Up.	Down.	Total.		Rs. A. P.
4. Total number of boats plying cargo ... No.	40	47	87	Total tollage of month— 24 + 25 + 26 ...	105 3
5. Total number of boats plying passenger ... No.	.....	2	2	Total tollage of same month last year ...	53 6 6
6. Total registered tonnage, cargo ...	460	212	672		
7. Total registered tonnage, passenger ...	.....	8	8		
8. Ton mileage ...	5,302	2,801	8,103		
9. Estimated value of cargo Rs.	20,096	1,290	21,386		
10. Number of passengers No.	224	351	575		
11. Rafts, bamboos o. ft.	.....	.....	.....
12. Do., bullahs "	.....	.....	.....
13. Estimated value of rafts Rs.	.....	.....	.....
14. Tollage on boats "	80-1-3	25-2-0	105-3-3		
15. Compounded tollage on boats ... Rs.	.....	.....	.....
16. Tollage on rafts "	.....	.....	.....
17. Total tollage on boats per ton-mile ...	.....	.....	0-0-1-4		
18. Total tollage on rafts per 100 cubic feet ...	.....	.....	.....

Memorandum of Tollage.		Rs. A. P.
1. Balance not recovered on the 1st of the month ...		...
2. Tollage per month ...		105 3 3
3. Total ...		105 3 3
4. Amount credited in the accounts of the month ...		105 3 3
5. Balance due at the end of the month ...		.....

SOUTH-WESTERN CIRCLE.

MIDNAPORE CANAL.

LENGTH OF CANAL OPEN, 53 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupces.	Tons.	Rupces.	
750	1. Grain ...	4,321	474	4,795	2,18,784	4,795	2,18,784	
1	2. Cotton ...	.....	7	7	400	7	400	
18	3. Oilseeds ...	2	104	106	10,416	106	10,416	
83	4. Salt ...	.....	774	774	55,016	774	55,016	
5	5. Piece-goods ...	.....	.....	.....	1,000	.....	1,000	
18	6. Metal ...	32	79	111	84,625	111	84,625	
31	7. Building materials ...	20	68	88	1,712	88	1,712	
326	8. Miscellaneous ...	559	580	1,139	1,74,563	1,139	1,74,563	
25	9. Fuel ...	102	69	171	3,595	171	3,595	
160 rafts,	10. Timber ...	27,864 c. ft.	404 c. ft.	28,268 c. ft.	37,568	28,268 c. ft.	37,568	
11 "	11. Bamboos ...	2,850 "	...	2,850 "	356	2,850 "	356	
1,257 & 171 rafts.	12. Total ...	5,036 & 30,714 c. ft.	2,155 & 404 c. ft.	7,191 & 31,118 c. ft.	5,88,035	7,191 & 31,118 c. ft.	5,88,035	
4,045	13. Total of same month last year ..	...	...	11,234	10,49,326	11,234	10,49,326	
		Up.	Down.	Total.				Ra. A.
14.	Total number of boats plying cargo No.	855	402	1,257	Total tollage of month—24 + 25 + 26			7,725 7
15.	Total number of boats plying passenger No.	693	754	1,447				
15½.	Ditto ditto, empty No.	481	634	1,115	Total tollage of same month last year			10,313 4
16.	Total registered tonnage, cargo	10,774	5,596	16,370				
17.	Total registered tonnage, passenger	3,642	3,555	7,197				
17½.	Total registered tonnage, empty	1,744	2,349	4,093				
18.	Ton-mileage	3,74,498	1,84,049	5,58,547				
19.	Estimated value of cargo Ra.	2,55,974	2,94,137	5,50,111				
20.	Number of passengers No.	6,723	11,392	18,115				
21.	Rafts, bamboos c. ft.	2,850	.....	2,850				
22.	Do., bullocks "	27,864	404	28,268				
23.	Estimated value of rafts Ra.	36,759	1,165	37,924				
24.	Tollage on boats "	4,543-1-0	2,328-8-9	6,871-9-9				
25.	Compounded tollage on boats Ra.	.....	.....	.....	
26.	Tollage on rafts "	841-9-3	12-4-0	853-13-2				
27.	Total tollage on boats per ton-mile	2-3	2-4	2-4				
28.	Total tollage on rafts per 100 cubic feet	2-11-9	3-0-0	2-11-9				
					Memorandum of Tollage.			
					1. Balance not recovered on the 1st of the month			Ra. A.
								1,104 9
					2. Tollage per month			7,725 7
					Arrears of tolls for steamers, &c., for carrying goods only			1,038 9
					3. Total			9,808 9
					4. Amount paid into treasury during the month			7,819
					5. Balance due at the end of the month			2,049

HIDGELLEE TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

Number of boats or rafts.	Description.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupces.	Tons.	
349	1. Grain ...	1,732	...	1,732	58,473	1,732	58,473
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
...	3. Oilseeds ...	.....	.....	.....	.....	.....	.....
29	4. Salt ...	.....	219	219	15,370	219	15,370
12	5. Piece-goods ...	.....	41	41	28,625	41	28,625
...	6. Metal ...	.....	.....	.....	.....	.....	.....
6	7. Building materials ...	12	14	26	161	26	161
656	8. Miscellaneous ...	323	321	644	73,948	644	73,948
9	9. Fuel ...	...	52	52	363	52	363
27 rafts	10. Timber ...	1,500 c. ft.	13,500 c. ft.	15,000 c. ft.	15,020 c. ft.	15,000	15,020
...	11. Bamboos ...	.....	.....	.....	.....	.....	.....
1961 & 27 rafts.	12. Total ...	2,067 & 1,500 c. ft.	647 & 13,500 c. ft.	2,714 & 15,000 c. ft.	1,91,960	2,714 & 15,000 c. ft.	1,91,960
1,620	13. Total of same month last year ...	...	...	4,685	3,15,055	4,685	3,15,055
		Up.	Down.	Total.			
14.	Total number of boats plying cargo No.	522	549	1,061	Total tollage of month— 24 + 25 + 26 ...		
15.	Total number of boats plying passenger No.	55	80	135	Total tollage of same month last year		
16.	Total registered tonnage, cargo ...	4,630	3,113	7,743			
17.	Total registered tonnage, passenger ...	308	364	672			
18.	Ton-mileage ...	88,411	66,722	1,55,133			
19.	Estimated value of cargo Rs.	74,335	1,02,705	1,76,940			
20.	Number of passengers No.	428	531	959			
21.	Rafts, bamboos c. ft.	.....	...	.....
22.	Do., ballahs ..	1,500	13,500	15,000			
23.	Estimated value of rafts Rs.	900	14,120	15,020			
24.	Tollage on boats ..	1,434-10-6	1,071-9-6	2,506-4-0			
25.	Compounded tollage on boats ... Rs.	106-7-9	96-1-0	202-8-9			
26.	Tollage on rafts ..	-6 0	128-14-0	138-4-0			
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0-3			
28.	Total tollage on rafts per 100 cubic feet ..	.....	.....	0-14-9			
					Memorandum of Tollage.		
					Rs. A. P.		
					1. Balance not recovered on the 1st of the month ...	1,401	8 0
					2. Tollage per month ...	2,847	0 9
					3. Total ...	4,248	8 9
					4. Amount paid into treasury during the month ...	3,112	13 0
					5. Balance due at the end of the month ..	1,135	11 9

SONE CIRCLE.
PATNA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 86½ MILES.

Number of boats or rafts.	Description.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity - Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupers.	Tons.	Rupers.	
6	1. Grain ...	...	78	78	5,800	78	5,800	
3	2. Cotton ...	2	8	10	5,932	10	5,932	
24	3. Oilseeds ...	...	343	343	64,541	343	64,541	
5	4. Salt ...	78	1	79	7,362	79	7,362	
12	5. Piece-goods ...	70	3	73	25,685	73	25,685	
...	6. Metal ...	5	1	6	2,406	6	2,406	
17	7. Building materials ...	18	104	122	850	103	1	
83	8. Miscellaneous ...	220	187	407	48,177	330	33,057	
3	9. Fuel { bounts rafts	10	9	19	194	10	80	
Rafts {	10. Timber ...	...	86	86	464	86	464	
	11. Bamboos ...	3	29	29	123	29	123	
153	12. Total ...	406	910	1,346	1,66,707	1,271	1,51,233	
223	13. Total of same month last year ...	...	...	842	75,141	818	74,669	
		Up.	Down.	Total.			Rs. A.	
14.	Total number of boats plying cargo No.	59	94	153	Total tollage of month— 24 + 25 + 26 ...		1,797	2
15.	Total number of boats plying passenger No.	5	4	9				
15½.	Total number of empty boats ...	82	20	102	Total tollage of same month last year ...		914	15
16.	Total registered tonnage, cargo	715	1,368	2,083				
17.	Total registered tonnage, passenger	166	164	330				
17½.	Total registered tonnage empty ...	399	107	506	Memorandum of Tollage.			
18.	Ton-mileage ...	64,500	1,10,433	1,74,933				
19.	Estimated value of cargo Rs.	66,944	14,033	1,60,977				
20.	Number of passengers No.	318½	387	705½				
21.	Rafts, bamboos c. ft.	450	13,650	14,100				
22.	Do., bullahs "	...	8,625	8,625				
23.	Estimated value of rafts Rs.	53	5,677	5,730				
24.	Tollage on boats "	4-6-7-6	961-1-6	1,447-9-0				
25.	Compounded tollage on boats Rs.	75	75	150				
26.	Tollage on rafts "	0-2-9	199-6-3	199-9-0				
27.	Total tollage on boats per ton-mile ...	...	...	1-7 pies.				
28.	Total tollage on rafts per 100 cubic feet ...	...	...	0-14-0				
					1. Balance not recovered on the 1st of the month ...		294	3
					2. Tollage per month ...		1,797	2
					3. Total ...		2,091	5
					4. Amount credited in the accounts of the month ...		1,723	1
					5. Balance due at the end of the month ...		367	

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
29	1. Grain ...	9	133	142	7,813	142	7,813	
1	2. Cotton ...	5	.....	3	840	3	840	
13	3. Oilseeds ...	.....	104	104	6,930	104	6,930	
46	4. Salt ...	314	.....	314	32,157	314	32,157	
1	5. Piece-goods ...	.....	21	21	29,300	21	29,300	
1	6. Metal ...	7	.....	7	600	7	600	
39	7. Building materials ...	.....	288	288	1,198	63	1,015	
79	8. Miscellaneous ...	76	455	531	41,143	504	41,068	
2	9. Fuel ...	.....	28	28	100	28	100	
Rafts	10. Timber ...	.....	608	608	2,282	608	2,282	
	11. Bamboos ...	.....	22	22	220	22	220	
211	12. Total ...	409	1,659	2,068	1,22,583	1,816	1,22,325	
302	13. Total of same month last year ...	.....	.....	2,092	1,25,890	2,002	1,24,272	

	Up.	Down.	Total.		Rs. A.
4. Total number of boats plying cargo No.	67	144	211	Total tollage of month— 24 + 25 + 26 ...	1,140 3
5. Total number of boats plying passenger No.	20	21	41		
6. Total number of empty boats No.	40	28	68	Total tollage of same month last year ...	1,069 2
7. Total registered tonnage, cargo ...	610	1,689	2,299	Memorandum of Tollage.	
8. Total registered tonnage passenger ...	424	490	914		
9. Total registered tonnage, empty ...	106	81	189		Rs. A.
10. Ton mileage ...	61,290	88,108	1,49,398	1. Balance not recovered on the 1st of the month ...	51 6
11. Estimated value of cargo Rs.	49,855	70,226	1,20,081	2. Tollage per month ...	1,140 3
12. Number of passengers No	1,117	1,241	2,428	3. Total ...	1,191 9
13. Rafts, bamboos c. ft.	.....	3,300	3,300	4. Amount credited in the accounts of the month ...	1,106 7
14. Do., bulahs ..	.....	45,641	45,641	5. Balance due at the end of the month ...	85 2
15. Estimated value of rafts Rs.	.....	2,502	2,502		
16. Tollage on boats ..	424-3-0	443-4-0	867-7-0		
17. Compounded tollage on boats Rs.	100-0-0	100-0-0	200-0-0		
18. Tollage on rafts ..	.....	72-12-0	72-12-0		
19. Total tollage on boats per ton-mile ...	.....	.....	1-3 pies		
20. Total tollage on rafts per 100 cubic feet ...	.....	.....	2-3 as.		

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.	
		Quantity—Tons.			Quantity.	Value.
		Up.	Down.	Total.	Tons.	Rupees.
6	1. Grain ...	23	52	75	75	9,428
.....	2. Cotton ...	.....	.....	.....	.....	.....
2	3. Oilseeds ...	.....	6	6	6	671
.....	4. Salt ...	8	.....	8	8	662
.....	5. Piece-goods ...	7	.....	7	7	6,813
.....	6. Metal ...	3	.....	3	3	1,850
14	7. Building materials ...	3	181	184	35	2,214
27	8. Miscellaneous ...	.....	236	236	236	29,269
Rafts {	9. Fuel ...	.....	113	113	113	1,275
	10. Timber ...	.....	59	59	59	750
	11. Bamboos ...	.....	6	6	6	95
49	12. Total ...	44	653	697	548	53,027
70	13. Total of same month last year ...	.....	.....	783	783	45,152

	Up.	Down.	Total.		Rs. A.
14. Total number of boats plying cargo ... No.	3	46	49	Total tollage of month— 24 + 25 + 26 ...	357 15
15. Total number of boats plying passenger ... No.	8	8	16		
15½. Total number of empty boats ... No.	26	5	31	Total tollage of same month last year ...	318 12
16. Total registered tonnage, cargo ...	48	806	854		
17. Total registered tonnage, passenger ...	216	216	432		
17½. Total registered tonnage, empty ...	73	17	90		
18. Ton-mileage ...	6,277	29 0 2	35,299	Memorandum of Tollage.	
19. Estimated value of cargo Rs.	16,361	40,271	56,632		
20. Number of passengers No.	600	555	1,155	1. Balance not recovered on the 1st of the month ...	49 5
21. Rafts, bamboos ... c. ft.	.....	950	950	2. Tollage per month ...	357 15
22. Do., bullahs ... ..	.....	12,928	12,928	3. Total ...	407 5
23. Estimated value of rafts lts.	.....	2,120	2,120	4. Amount credited in the accounts of the month ...	376 11
24. Tollage on boats	20-12-3	161-11-9	182-8-0	5. Balance due at the end of the month ...	30 10
25. Compounded tollage on boats ... Rs.	75	75	150		
26. Tollage on rafts ... ..	.....	25-7-9	25 7-9		
27. Total tollage on boats per ton-mile ... ..	.....	.....	1½ pice		
28. Total tollage on rafts per 100 cubic-feet ... ..	.....	.....	0-2-11		

ABSTRACT FOR THE MONTH OF OCTOBER 1886, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

CANAL.	TRAFFIC, 1886-87.			TRAFFIC, 1885-86.			REMARKS.					
	During the month.	To end of the month.		During the month.	To end of the month.							
<i>Orissa Circle.</i>	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.			
Boldunda Canal System ...	1	7	0	1,473	1	7	109	9	6	830	0	9
Chandrapara Canal System ...	2,318	9	5	22,492	12	11	3,572	9	10	24,833	11	10
High Level Canal, Range I ...	574	4	3	3,907	9	0	547	9	8	3,768	8	11
Ditto, Range II ...	157	5	0	1,931	11	3	155	4	0	1,687	2	7
Ditto, Range III ...	105	3	3	1,193	9	6	53	6	6	695	9	0
Total Orissa Circle ...	3,156	12	11	30,998	12	3	4,438	7	6	29,815	1	1
<i>South-Western Circle.</i>												
Madnapore Canal ...	7,725	7	0	67,546	3	3	10,313	4	6	76,633	9	9
Madgellee Tidal Canal ...	2,847	0	9	36,628	7	9	4,276	1	3	35,677	3	6
Total South-Western Circle ...	10,572	7	9	1,04,174	11	0	14,589	5	9	1,12,310	13	3
<i>Sone Circle.</i>												
Patna Canal System ...	1,797	2	0	13,027	3	9	914	15	9	13,341	5	6
Arrah ditto ...	1,140	3	0	11,724	13	7	1,069	2	0	9,294	10	1
Buxar ditto ...	357	15	9	4,642	14	10	318	12	9	3,613	9	3
Total Sone Circle ...	3,295	4	9	29,395	0	2	2,302	14	6	26,249	8	10
GRAND TOTAL ...	17,024	9	5	1,64,568	7	5	21,330	11	9	1,68,375	7	2

GOVERNMENT TRANSPORT SERVICE.

CANAL.	TRAFFIC, 1886-87.						TRAFFIC, 1885-86.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.
<i>Orissa Circle.</i>	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High level ...	723	103	675 0 7	6,235	12,279	7,091 3 11	1,177	2,479	1,412 10 5	8,207	25,105	10,713 12 10
Total Orissa Circle ...	723	103	675 0 7	6,235	12,279	7,091 3 11	1,177	2,479	1,412 10 5	8,207	25,105	10,713 12 10

Transport service on the Madnapore and Sone Canals is under contract.

TOTAL NAVIGATION RECEIPTS.

CANAL.	EARNINGS, 1886-87.						EARNINGS, 1885-86.						REMARKS.
	During the month.			To end of the month.			During the month.			To end of the month.			
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
Orissa Canals ...	3,831	13	6	38,090	0	2	5,851	1	11	40,528	13	11	
Madnapore Canal ...	7,725	7	0	67,546	3	3	10,313	4	6	80,055	5	0	
Madgellee Tidal Canal ...	2,847	0	9	36,628	7	9	4,276	1	3	35,677	3	6	
Sone Canals ...	3,295	4	9	29,395	0	2	2,302	14	6	29,414	6	6	
Total	17,699	19	0	1,71,659	11	4	22,743	6	2	1,85,675	12	11	

R. B. BUCKLEY.

Under-Secy. to the Govt. of Bengal.

CALCUTTA.
11th January 1887.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 8th January 1887, compared with the corresponding week of the previous year.

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 8TH JANUARY 1887.			WEEK ENDING SATURDAY, THE 9TH JANUARY 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	1,691	1,96,660	3,365	1,659	2,34,773	3,721
Jute ...	137	82,010	1,369	136	1,09,650	1,676
Firewood ...	114	61,700	1,397	145	75,900	1,967
Other articles ...	982	2,43,805	3,553	1,147	2,46,295	3,697
Total ..	2,924	5,84,185	9,784	3,087	6,66,618	10,164

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for last 13 days of December 1886, on 1,515 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period	361,963	4,28,915 11 0	50,47,933 30	12,50,439 14 5	34,338 5 0	17,18,723 15 2	181,070 1	192,334 4	373,404 5
Or per mile of railway	238 1 10	283 1 10	33 3 0	825 0 3	22 10 4	1,131 9 0	1,131 9 0	1,131 9 0	1,131 9 0
For previous 24 weeks of half-year	5,485,807	63,61,761 14 0	5,43,10,821 0	1,31,30,880 5 5	4,01,265 2 6	1,94,93,907 6 1	1,643,977	2,260,963 1	3,904,940 1
Total for 26 weeks	5,847,830	67,90,577 9 0	5,99,07,554 30	1,40,8,350 10	4,15,003 8 5	2,16,07,631 5 3	1,768,047 1	2,443,597 4	4,211,644 5
COMPARISON.									
Total for corresponding period of previous year	318,380 1	4,00,762 10 0	30,06,101 30	9,50,732 12 0	49,860 2 1	13,10,616 4 5	109,273 1	157,573 1	266,846 2
Per mile of railway corresponding period of previous year	208 7 9	268 7 9	33 3 0	633 7 0	32 14 8	869 0 10	869 0 10	869 0 10	869 0 10
Total to corresponding date of previous year	5,356,792 1	62,55,337 12 8	5,01,28,776 2 1	1,10,15,824 5 10	3,93,111 8 10	2,15,61,273 9 4	1,710,488 1	2,755,196 4	4,465,684 5

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1886.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
1,515	13,16,016	869	1,515	17,13,723	1,131	1,515	3,44,01,901	2270 8	1,515	2,43,02,053	22,701	.....	9,831

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 57 1/2 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period	91,651	11,827 11 0	97,490 0	6,185 8 0	52 3 9	18,065 6 9	8,146	1,800	4,446
Or per mile of railway	379	204 12 5	1,711 30	104 2 3	0 14 7	315 13 5	43,101	18,254	61,355
For previous 24 weeks of half-year	341,474	1,91,030 11 0	10,50,571 0	65,206 11 0	1,348 5 0	2,57,054 11 0	43,101	18,254	61,355
Total for 26 weeks	363,125	2,02,857 6 0	11,18,481 0	71,452 3 0	1,400 8 9	275,720 1 9	40,307	10,554	50,861
COMPARISON.									
Total for corresponding period of previous year	20,408	11,291 2 0	42,335 0	3,154 3 0	52 3 9	14,967 14 3	3,297	807	4,104
Per mile of railway corresponding period of previous year	354	197 0 4	740 10	55 2 4	0 2 2	261 10 10	.....	.....	.....
Total to corresponding date of previous year	3,547	1,74,297 0 5	11,52,454 20	105,447 10 0	750 4 8	2,40,794 15 1	40,071	21,273	61,344

* Added No. of passengers 416 and deducted Rs. 141 0 0 on account of difference between Approximate and Audited returns to week ended 27th November 1886.
 Ditto 15,402 and 5,000 and 10 14 0 on account of supplemental return to quarter ended 30th September 1886.
 Ditto 496 5 0 3 14 8 on account of difference between Approximate and Audited returns to week ended 27th November 1886.
 Deducted from other earnings 3 14 8 3 14 8 on account of supplemental return to quarter ended 30th September 1886.
 * Added Rs. 3 0 to merchandise 3 0 0 3 0 0 on account of difference between Approximate and Audited returns to week ended 27th November 1886.
 Ditto 471 4 6 to other earnings 471 4 6 471 4 6 on account of supplemental return to quarter ended 30th September 1886.

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1886.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
57 1/2	14,065	243	57 1/2	18,065	315	57 1/2	3,70,166	6,472	57 1/2	14,02,912	7,035	32,217	.....

* Added Rs. 475 on account of supplemental return to quarter ended 30th September 1886.
 † Ditto .. 514 on account of difference between Approximate and Audited returns to week ended 27th November 1886.

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		(Other earnings estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	4,474	768 4 0	32,937 39	771 12 0	19 14 6	1,549 14 6	630 1/2	285	916 1/2
Or per mile of railway ...	...	63 3 0	...	64 5 0	1 10 7	129 2 7	...	...	...
For previous 24 weeks of half-year ...	62,081*	10,540 3 0*	2,55,272 0*	5,732 8 0*	210 0 0*	14,481 1 0	6,231 1/2	3,234	12,465 1/2
Total for 26 weeks ...	66,555	11,307 13 0	2,88,209 39	6,464 4 0	218 15 3	14,941 0 3	6,862	3,524	13,386
COMPARISON.									
Total for corresponding period of previous year ...	5,474	664 2 8	22,399 20	555 13 0	38 0 0	1,230 0 5	213	351	564
Per mile of railway correspond- ing period of previous year ...	...	55 8 2	...	43 13 1	3 2 0	102 5 0	...	...	...
Total to corresponding date of previous year ...	57,800	9,402 10 8	2,12,208 19*	7,549 1 5*	664 0 0†	15,101 15 0	5,431	2,809	8,240
* Added number of passengers 410 and Rs. 101 0 0 on account of difference between approximate and audited returns to week ended 27th November 1886. Deducted Mds. 248 and Rs. 2 15 0 on account of supplemental return to quarter ended 30th September 1886. Added to merchandise Do. 2 0 0 on account of difference between approximate and audited returns to week ended 27th November 1886. Do. to other earnings Do. 13 0 0 on account of supplemental return to quarter ended 30th September 1886. † Deducted Mds. 402-0 and Rs. 42 1 6 from merchandise on account of difference between approximate and audited returns to week ended 27th November 1886. Ditto ditto Rs. 1 0 0 from other earnings on account of supplemental return to quarter ended 30th September 1886.									

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1886.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile mileage worked.	Receipts.	Per mile mileage worked.	Mean mileage worked.	Total receipts.	Per mile mileage worked.	Mean mileage worked.	Total receipts.	Per mile mileage worked.			
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	
12	1,230	103	12	1,560	129	34,286*	2,857	12	35,510†	2,943		1,030	.....

* Deducted Rs. 43 on account of supplemental return to quarter ended 30th September 1885.

† Added .. 116 on account of difference between approximate and audited returns to week ended 27th November 1886.

SINDIA STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 74 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		(Other earnings estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	9,444	7,080 6 0	1,01,051 0	7,092 9 0	190 12 3	15,272 11 3	1,335 1/2	9,130	3,465 1/2
Or per mile of railway ...	...	106 13 8	...	96 12 0	2 8 10	204 2 11	...	...	...
For previous 24 weeks of half-year ...	123,775*	93,000 13 0*	21,95,189 20*	70,652 13 0*	2,740 14 6*	1,72,303 11 3	17,319 1/2	26,307 1/2	43,626 1/2
Total for 26 weeks ...	133,219	99,080 3 0	23,87,140 20	81,45 8 0	2,831 10 0	1,87,570 6 6	18,655	28,438	47,093
COMPARISON.									
Total for corresponding period of previous year ...	7,031 1/2	6,237 14 10	1,50,763 20	4,242 10 0	- 938 1 7	9,482 7 3	2,671	1,841	4,512
Per mile of railway correspond- ing period of previous year ...	...	83 6 4	...	56 11 6	- 13 5 6	126 12 4	...	...	...
Total to corresponding date of previous year ...	135,705 1/2	1,06,234 0 10	21,03,681 19†	64,924 0 3†	3,629 0 0†	1,74,187 1 10	30,202	28,609	58,811
* Deducted number of passengers 185 and Rs. 439 0 0 on account of difference between approximate and audited returns to week ended 27th November 1886. Added Mds. 67,390-0 and Rs. 631 9 0 on account of supplemental return to quarter ended 30th September 1886. Deducted .. 2,775-0 and Rs. 11 1 0 on account of difference between approximate and audited returns to week ended 27th November 1886. Added to other earnings Do. 248 14 0 on account of supplemental return to quarter ended 30th September 1886. Do. to ditto Do. 181 13 0 on account of difference between approximate and audited returns to week ended 27th November 1886. † Deducted Mds. 10,300 and Rs. 6 0 0 from merchandise on account of difference between approximate and audited returns to week ended 27th November 1886. Added .. 147 14 0 to other earnings on account of supplemental return to quarter ended 30th September 1886.									

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1886.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile mileage worked.	Receipts.	Per mile mileage worked.	Mean mileage worked.	Total receipts.	Per mile mileage worked.	Mean mileage worked.	Total receipts.	Per mile mileage worked.			
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	
74	9,492	127	74	15,273	204	2,83,826*	3,854	74	2,83,830†	3,795		16,028	

* Added Rs. 141 on account of supplemental return to quarter ended 30th September 1885.

† Do. .. 635 on account of difference between approximate and audited returns to week ended 27th November 1886.

TARKESWAR BRANCH RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period	20,058	6,744 1 0	8,877 10	200 2 0	13 3 3	7,056 11 3	1,783	65	1,783
Or per mile of railway	.....	303 1 8	.....	18 7 4	0 0 6	317 2 6	.....	.....	.....
For previous 24 weeks of half-year	377,555*	14,321 2 0*	82,470 0*	3,007 3 0*	157 1 0*	14,675 6 0	23,167	612	23,779
Total for 26 weeks	408,613	1,01,045 3 0	91,353 10	3,306 10 0	170 4 3	1,04,632 1 3	24,000	677	24,677
COMPARISON.									
Total for corresponding period of previous year	23,300†	6,257 15 5	8,185 30	320 0 0	0 13 9	6,603 13 2	1,845	60	1,915
Per mile of railway corresponding period of previous year	.....	281 4 2	.....	14 10 5	0 7 1	290 5 8	.....	.....	.....
Total to corresponding date of previous year	400,238†	1,01,412 13 2	2,03,673 10†	8,220 2 0†	110 10 0†	1,09,744 0 11	26,568	7,365	33,933

* Added number of passengers 1,799 and Rs. 800 0 0 on account of difference between approximate and audited returns to week ended 27th November 1886.
 Do. mds. 179-10 and .. 24 11 9
 Do. to other earnings .. 21 13 0
 † Do. mds. 572-10 and .. 1 0 0 to merchandise on account of supplemental return to quarter ended 30th September 1886.
 Do. .. 1 0 0 to other earnings

Approximate Statement of gross receipts of the Tarkeswar Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1886.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
22½	0,594	26	22½	7,057	317	22½	1,82,503*	8,202	22½	1,70,090†	8,040	.....	3,413

* Added Rs. 23 0 0 on account of supplemental return to quarter ended 30th September 1886.
 † Do. .. 821 0 0 on account of difference between approximate and audited returns to week ended 27th November 1886.

INDIAN MIDLAND RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	3,867	1,801 14 0	98,224 20	6,493 0 0	49 10 0	6,535 1 6	410	928	1,338
Or per mile of railway	.....	44 5 3	.....	152 15 1	1 2 11	163 7 3	.....	.....	.....
For previous 24 weeks of half-year	59,155*	25,488 11 0*	4,04,094 0*	32,778 5 0*	666 10 6*	33,443 11 3	7,430	8,548	15,978
Total for 26 weeks	63,022	27,350 10 3	4,37,318 20	39,291 14 0	716 4 6	37,998 12 9	7,940	9,476	17,416

* Deducted number of passengers 1 and Rs. 75 0 0 on account of difference between approximate and audited returns to week ended 27th November 1886.
 mds. 4,895-20 and no. .. 432 0 0
 Added to passengers .. 3 13 0 on account of supplemental return to quarter ended 30th September 1886.
 to other earnings .. 0 8 0
 Deducted from .. 4 15 0 on account of difference between approximate and audited returns to week ended 27th November 1886.

Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 1886.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
				Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		
.....	42	8,335	198	.....	.....	.....	42	93,095*	2,231	.....	.....

* Added Rs. 376 on account of difference between approximate and audited returns to week ended 27th November 1886.

EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 234 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated) including steam boat.	Total earnings.	TRAFFIC TRAIN-MILES R.D.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	140,600	Rs. A. P. 78,178 0 0	MDS. S. 7,20,000 0	Rs. A. P. 1,01,750 0 0	Rs. A. P. 43,383 0 0	Rs. A. P. 2,24,111 0 0	21,708	21,062	42,770
Or per mile of railway ...	599	334 0 0	3,077 0	434 0 0	.....	768 0 0	.....	.....	.....
For previous 24 weeks of half-year ...	2,000,144	8,30,525 0 0	95,09,611 0	10,97,449 0 0	1,17,702 0 0	20,41,520 0 0*	252,510	278,063	530,573
Total for half-year or 26 weeks ...	2,210,614	9,08,703 0 0	1,02,29,613 0	12,00,283 0 0	1,56,945 0 0	28,44,031 0 0	304,398	300,045	604,443
COMPARISON.									
Total for corresponding week of previous year, 12 days including supply ...	123,053	61,412 0 0	9,29,053 0	95,451 0 0	51,361 0 0	2,12,227 0 0	20,400	26,071	46,471
Per mile of railway corresponding period of previous year	531	272 0 0	3,987 0	410 0 0	.....	682 0 0	.....	.....	.....
Total to corresponding date of previous year (a) ...	2,151,084	8,60,293 0 0	99,44,381 0	12,00,012 0 0	1,51,105 0 0	22,50,520 0 0	285,661	268,774	554,435

* Audited up to week ending 20th November 1886.
(a) Corrected to agree with Revenue Accounts.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1886.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1st APRIL 1886 TO 31st DECEMBER 1886.			TOTAL RECEIPTS FROM 1st APRIL 1885 TO 31st DECEMBER 1885.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
233	Rs. 2,12,227	Rs. 911	234	Rs. 2,23,111	Rs. 953	229	Rs. 33,65,802	Rs. 14,446	241	Rs. 30,98,297*	Rs. 17,067	Rs. 6,32,495	

* Audited up to week ending 20th November 1886.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended last 13 days of December 1886, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES R.D.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	33,047	Rs. A. P. 17,076 0 0	MDS. S. 46,980 0	Rs. A. P. 2,443 0 0	Rs. A. P. 21,003 0 0	Rs. A. P. 41,112 0 0	7,611	2,659	9,460
Or per mile of railway ...	264	141 0 0	376 0	20 0 0	.....	161 0 0	.....	.....	.....
For previous 24 weeks of half-year ...	601,602	1,80,811 0 0	4,75,764 0	35,971 0 0	617 0 0	2,26,412 0 0*	96,471	28,160	1,24,631
Total for half-year ...	604,630	2,07,467 0 0	4,82,544 0	38,414 0 0	21,080 0 0	2,47,531 0 0	100,485	31,000	1,31,485
COMPARISON.									
Total for corresponding week of previous year	31,659	15,091 0 0	41,957 0	2,137 0 0	21,806 0 0	39,624 0 0	7,051	1,030	7,004
Per mile of railway corresponding period of previous year	260	126 0 0	336 0	17 0 0	.....	163 0 0	.....	.....	.....
Total to corresponding date of previous year ...	646,313†	1,87,691 0 0	4,95,032 0	26,109 0 0	23,686 0 0	2,37,776 0 0	97,490	21,323	116,683‡

* Audited up to week ending 20th November 1886.
† Corrected to agree with the Revenue Account.
‡ Exclusive of 6,077 miles for ballast trains.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1886.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1st APRIL 1886 TO 31st DECEMBER 1886.			TOTAL RECEIPTS FROM 1st APRIL 1885 TO 31st DECEMBER 1885.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
125	Rs. 20,624	Rs. 317	126	Rs. 41,133	Rs. 323	125	Rs. 2,02,633	Rs. 3,164	126	Rs. 4,43,107*	Rs. 3,515	Rs. 45,069	

* Audited up to week ending 20th November 1886.

DACCA STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	23,330	8,221 0 0	55,070 0	4,540 0 0†	1,100 0 0	14,560 0 0	3,087	4,473	8,460
Or per mile of railway	271	104 0 0	640 0	53 0 0	...	167 0 0	.....	.....	.....
For previous 4 weeks of half-year	240,193	82,348 0 0	6,18,022 0	20,303 0 0	6,445 0 0	1,15,018 0 0	42,409	16,225	61,734
Total for half-year	273,532	91,150 0 0	6,73,092 0	20,845 0 0	7,545 0 0	1,22,570 0 0	46,498	22,694	79,192
COMPARISON.									
Total for corresponding week of previous year (modified)	12,673	2,594 0 0	75,547 0	3,840 0 0	1,329 0 0	7,773 0 0	1,088	2,610	3,697
Per mile of railway corresponding period of previous year	147	30 0 0	880 0	45 0 0	.....	75 0 0	.....	.....	.....
Total for corresponding date of previous year	131,300*	22,741 0 0	2,09,395 0	21,310 0 0	7,554 0 0	51,101 0 0	12,510	21,500	34,010

* Corrected to agree with Revenue Accounts.

† Includes 25 00 m. roads and Rs. 1,000 for haldest train earnings.

‡ Audited up to week ending 20th November 1886.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1886.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			Total increase in 1886-87.	Total decrease in 1885-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
38	7,773	90	86	11,501	149	61	75,609	83	86	1,95,984	58	1,90,377	.....

* Audited up to week ending 20th November 1886.

† Corrected to agree with Revenue Accounts up to 31st December 1885.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 13 days	5,883	1,302 1 1	29,200 0	1,434 7 0	25 12 0	2,872 4 1	945	478	1,423
Or per mile of railway	142	51 1 0	1,097 0	52 10 0	0 15 0	105 10 0	.....	.....	.....
For previous 24 weeks of half-year	58,087	22,025 14 11	1,67,476 0	11,971 0 0	347 4 0	34,944 11 11	12,434	6,442	18,876
Total for the half-year	62,800	24,018 9 0	1,97,375 0	13,406 0 0	373 0 0	37,707 0 0	13,379	6,914	20,293
COMPARISON.									
Total for corresponding period of previous year	3,551	1,021 7 0	11,949 10	1,005 15 0	15 15 0	2,044 5 9	872	436	1,308
Per mile of railway corresponding week of previous year	130	55 14 0	538 0	36 15 0	0 0 0	93 6 0	.....	.....	.....
Total for corresponding date of previous year	55,737*	22,703 3 4	2,14,330 30	16,533 5 0	5 0 1 5	39,308 9 9	13,376	9,308	21,684

* Includes figures for supplementary traffic return.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1886.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			Total increase in 1886.	Total decrease in 1885.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
17½	2,546	93	27½	2,852	103	27½	54,170	2,135	27½	63,182	2,280	3,968	.....

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 246 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 13 days on 246 miles open	58,891	21,757 6 3	2,77,473 20	27,876 9 3	6,907 6 0	56,641 7 6	8,777	9,068	18,445
Or per mile of railway	237	88 7 0	1,128 0	113 6 0	3 11 0	230 7 0*	.....	.....	.....
For previous 24 weeks of half-year	812,947	2,86,796 7 9	28,67,893 30	2,80,932 6 9	78,000 10 0	6,55,340 8 6	127,829	103,305	231,104
Total for the half-year	871,838	3,08,554 0 0	31,35,367 0	3,17,809 0 0	83,608 0 0	7,11,951 0 0	130,608	113,033	249,689
COMPARISON.									
Total for corresponding period of previous year on 226 miles open	45,553	17,407 14 6	1,32,538 30	15,656 8 0	3,510 3 7	36,443 10 1	6,864	4,907	11,761
Per mile of railway corresponding week of previous year	202	77 5 0	586 0	69 4 0	1 15 0	164 8 0*	.....	.....	.....
Total to corresponding date of previous year	(a) 711,857	2,58,096 5 6	21,46,108 10	2,55,748 13 3	6,318 15 6	5,83,901 0 3	113,036	93,523	207,139

* Steam-bent earnings excluded in calculating "Total earnings per mile of Railway."
(a) Includes figures of supplementary traffic return.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR THE LAST 13 DAYS OF DECEMBER 1886.			RECEIPTS FOR THE LAST 13 DAYS OF DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	
246	Rs. 26,544	Rs. 108	246	Rs. 56,541	Rs. 230	226	Rs. 2,57,487	Rs. 4,237	246	Rs. 11,60,058	Rs. 4,716	Rs. 2,02,571	.....

KAUNIA AND DHURLLA STATE RAILWAY.

Approximate Return of Traffic for last 13 days of December 1886 on 37 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the last 13 days	3,380	1,257 0 0	11,502 0	605 0 0	2,641 0 0	4,503 0 0	481	481	962
Or per mile of railway	92	34 0 0	311 0	16 0 0	.....	120 0 0	13	13	26
For previous 24 weeks of half-year	42,948	18,506 0 0	94,741 0	5,787 0 0	30,450 0 0	54,732 0 0*	6,179	6,208	12,340
Total for 24 weeks	46,328	19,763 0 0	1,00,243 0	6,392 0 0	33,100 0 0	59,265 0 0	6,659	6,689	13,343
COMPARISON.									
Total for corresponding last 13 days of previous year	3,043	1,239 0 0	6,233 0	476 0 0	3,087 0 0	4,802 0 0	444	444	888
Per mile of railway corresponding period of previous year	83	33 0 0	168 0	13 0 0	.....	40 0 0	12	12	24
Total to corresponding date of previous year	40,026	18,616 0 0	62,296 0	4,775 0 0	34,772 0 0	58,103 0 0	6,739	6,739	13,478

* Audited up to week ending 27th November 1886.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Kaunia and Dhurlla State Railway.

RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	
37	Rs. 4,503	Rs. 120	37	Rs. 4,503	Rs. 122	37	Rs. 24,753	Rs. 66	37	Rs. 80,284*	Rs. 62	.....	Rs. 5,448

* Audited up to week ending 27th November 1886.

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 249 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (exclusive of steam boat (estimated).)	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the last 13 days	37,604	22,010 0 0	3,00,000 0	(a) 60,350 0 0	13,400 0 0	1,00,700 0 0	9,490	16,545	26,035
Or per mile of railway	143	109 0 0	1,205 0	242 0 0	...	350 0 0	38	66	104
For previous 26 weeks of half-year	469,212	2,36,690 0 0	35,43,000 0	8,00,169 0 0	1,33,858 0 0	12,76,717 0 0*	120,630	209,360	329,990
Total for 26 weeks	501,816	3,63,700 0 0	38,43,000 0	8,06,519 0 0	1,472,258 0 0	13,77,477 0 0	130,120	224,914	355,034
COMPARISON.									
Total for corresponding last 13 days of previous year	31,940	23,997 6 10	3,10,402 0	70,615 1 8	21,002 1 0	1,16,614 9 6	9,062	17,203	26,265
Per mile of railway corresponding period of previous year	128	96 0 0	1,283 0	283 0 6	...	372 18 6	36	70	106
Total to corresponding date of previous year	459,603	3,42,416 6 2	28,66,043 0	7,10,123 1 5	1,28,390 11 6	11,80,030 3 1	125,380	211,125	336,505

* Audited up to week ending 27th November 1886.
(a) Includes Rs. 5,440 for hire of Ballast Trains.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Northern Bengal State Railway.

RECEIPTS FOR WEEK ENDING LAST 12 DAYS OF DECEMBER 1886.			RECEIPTS FOR WEEK ENDING LAST 13 DAYS OF DECEMBER 1886.			(30) TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885			(30) TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.			
	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
249	1,16,614	464	1,00,700	405	240	10,60,958	173	240	10,00,817*	205	5,23,999		

* Audited up to week ending 27th November 1886.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 19, 1887.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

Saturday, the 8th January 1887.

Present:

The HON. SIR RIVERS THOMPSON, K.C.S.I., Lieut. Govr. of Bengal, *President*.
 The HON. G. C. PAUL, C.S.I., *Advocate-General*.
 The HON. H. J. REYNOLDS, C.S.I.
 The HON. C. P. L. MACAULAY, C.S.I.
 The HON. T. T. ALLEN.
 The HON. H. L. HARRISON.
 The HON. MOULVIE ABDUL JUBBAR.
 The HON. LAIA BAN BEHARI KAPUR.
 The HON. G. IRVING.
 The HON. D. CRUICKSHANK.
 The HON. ANUNDO MOHUN BOSE.
 The HON. KALLY NATH MITTER.

SURVEY OF THE TOWN OF CALCUTTA.

THE HON. MR. REYNOLDS, in presenting the report of the Select Committee on the Bill to provide for a survey of the Town of Calcutta, said that the modifications which had been introduced into the Bill were explained in

some detail in the report of the Committee. The principal change which had been made was in the sections which provided for the procedure to be adopted in the case of boundary disputes. It was to be hoped that such disputes would not be numerous; but in the event of a dispute occurring, the Bill, as it originally stood, provided that the Superintendent of Survey should enquire into and decide them. It was intended that the survey should be carried out by a Superintendent of Survey—an officer of the professional Survey Department—and that he should be assisted by a civil officer of the standing of a Deputy Collector; and it was considered that the Assistant Superintendent would be the officer best qualified to decide all boundary disputes at the time they occurred, subject to an appeal either to the Board of Revenue, or to any other authority the Local Government might appoint. The only other point to which he need refer was as to the section relating to boundary marks. The provisions of the Bengal Survey Act V of 1875, regulating boundary marks, were somewhat elaborate and very stringent. The Superintendent had power to order the erection of temporary or permanent boundary marks, and he had power to instruct the zemindars, talukdars, and other landholders to keep up, maintain, or preserve those boundary marks, and he had power also to apportion the expense of erecting and maintaining those boundary marks among the proprietors and occupiers of lands. The Committee had only reproduced these provisions in section 18 of the Bill so far as to allow the Superintendent to erect either temporary or permanent boundary marks, and to allow him to require the occupier of land to maintain any temporary boundary marks which might be put up until the survey had been completed and finished. The Committee had not introduced any provision for the maintenance by owners or occupiers of land of permanent boundary marks. It appeared to them that in such a survey as this the Calcutta authorities should naturally and properly be charged with this duty, and not the owners or occupiers of land; and that the Government and the Municipality, according as those authorities were interested in the maintenance of those permanent boundaries, should be charged with the expense.

Then, in section 20, the Committee had introduced some small modifications. To allow only one month to elapse after the complete survey as the time during which the papers might be inspected was too short a period, and might inconvenience all parties interested; therefore the Committee had provided, following the principle adopted by the Municipal Commissioners in the valuation of the town, that when the survey of any portion of the town was completed, the maps and papers should be deposited in the office of the Commissioners; and they had also extended the period for examining the papers and lodging objections from one month to two months. He moved that the report of the Select Committee be taken into consideration in order to the settlement of the clauses of the Bill.

The motion was put and agreed to.

The Hon. Mr. HARRISON said that, as the Corporation of the Town of Calcutta was deeply interested in the subject of this Bill, he need make no apology for having carefully examined the provisions of the Bill in order to ascertain whether there was anything in it which seemed to require amendment for the convenience or in the interests of the people of the town. The result was the series of four amendments, of which he had given notice, only one of which touched any important question of principle; and as regards that particular amendment, he believed that the intention of the Bill and of his own amendment was identical; and if that was so, it was merely a question of wording.

The first amendment which he had to move was that in section 12 for "the Chairman of the Corporation, the arbitrator or one of the arbitrators," be substituted "the Chairman, Vice-Chairman, or Surveyor of the Corporation, one of the arbitrators, unless the parties agree to such officer being appointed sole arbitrator." He wished to add the Vice-Chairman or the Surveyor because in some cases that might be considered necessary in the interests of the Corporation, especially the inclusion of the Surveyor, who was the professional adviser of the Corporation in such matters. The meaning of the last portion of the amendment was this. The wording of the section as it stood in the Bill might be misunderstood. It was as follows:—

"Provided that, if it appears to the Assistant Superintendent that the Local Government or the Corporation of Calcutta is interested in any such dispute, he shall appoint, in the

former case, the Collector or Deputy Collector of Calcutta, and in the latter case, the Chairman of the Corporation, the arbitrator or one of the arbitrators."

This left it to the Assistant Superintendent to appoint the Collector of Calcutta, or the Chairman of the Corporation, the arbitrator or one of the arbitrators at his discretion. MR. HARRISON hardly thought it wise that this power should rest in the Assistant Superintendent of Survey, because it might deter some people from going to arbitration who might otherwise be glad to do so. The Chairman and Vice-Chairman and the Surveyor of the Corporation were interested on behalf of the Municipality, and might be said to be judges in their own cause; and it was not desirable that the parties should be placed in the position of possibly finding any of these authorities appointed sole arbitrator without their consent: they might be appointed one of the arbitrators, unless the parties agreed to a sole arbitrator, which, in some cases, the parties interested might be willing to do. His main object was that they should not be bound to this sole arbitration without their consent.

The HON. MR. REYNOLDS said he had no objection to the amendment. He would have been very glad to have had the assistance of his hon. friend in the Select Committee; but knowing how much his time was taken up with the multifarious duties he had to perform, he had not pressed him to join the Committee. With regard to what had been said as to appointing the Collector of Calcutta or the Chairman of the Corporation sole judge, he did not think the wording of the section, if properly understood, would justify that conclusion, because it really meant that, when the parties applied for arbitration, and nominated on their own behalf one or more arbitrators, in that event the Assistant Superintendent might appoint either the Collector or Deputy Collector, or the Chairman of the Corporation, arbitrator on the other side. It would only be with the assent of all the parties concerned that such officer could be appointed the sole arbitrator. As, however, the amendment which his hon. friend had proposed made that clear, MR. REYNOLDS was quite willing to accept it.

The HON. MR. ANUNDO MOHUN BOSE said, with regard to the latter part of the amendment, that the wording suggested would perhaps make the intention of the section clearer; but as to the first part of it, he thought it would be better that the Surveyor of the Corporation should be left out, and he suggested this omission in the amendment for the consideration of the Council. Reasons had been given in the Report of the Select Committee to show that the officer whose duty it would be to decide cases of disputed boundary should not be a professional gentleman, as it was considered that the decision of matters which were in the nature of judicial proceedings would be better left in the hands of a judicial officer instead of to a professional gentleman of the Survey Department. The same principle would apply to the case of the Surveyor to the Corporation, who was a professional gentleman. For the present Surveyor MR. ANUNDO MOHUN BOSE had the highest regard. He believed he was a Civil Engineer, and the reasons which had influenced the Select Committee to transfer all judicial investigations from the Superintendent to the Assistant Superintendent would apply fully in this case also. Then there was another fact, viz, that the Surveyor, if appointed an arbitrator, might very often have to sit in appeal on his own proceedings, because the boundaries would generally be laid down by the Corporation with the advice of the Surveyor himself. To place him in such a position would not be fair to the Surveyor. Therefore, he thought it would be better to include the Vice-Chairman in addition to only the Chairman as it stood in the section, but not to include the Surveyor.

The HON. MR. HARRISON said he was quite willing to leave the matter in the hands of the Council, but he thought the Surveyor was the officer whose experience particularly qualified him to act as arbitrator on behalf of the Corporation. He had charge of all the records, and much of his time was given to the consideration of this question of boundaries, and he was well acquainted with the rights of the Corporation. He was one of the officers who were specially mentioned in the section of the Municipal Act which selected certain officers for special privileges, and he was an officer appointed with the sanction of the Lieutenant-Governor and in some respects he would be a better officer to select than the Vice-Chairman. Looking to the standing of the officer, who was equal to a Deputy Collector, and was generally better paid,

MR. HARRISON thought there were good grounds for including him in this section.

The HON. MR. HARRISON's amendment was then put to the vote and carried.

The HON. MR. HARRISON said he had an amendment to move in section 22, the object of which he would explain briefly. It embodied a question of principle which he was justified in saying the Hon. Member in charge of the Bill accepted and considered to be the principle of the present section, but MR. HARRISON doubted whether, as at present worded, it would effect its purpose. The question was this: It was important that the effect of the survey, after it had been completed, should be final. And it was more than important in the interests of the Corporation, who were paying a portion of the cost of the survey; because in the case of boundary disputes they could not at present appeal to the old survey with any advantage. The main object of the Corporation was to prevent small encroachments on the roads whenever an owner rebuilt his house or a portion of it. There were some streets in which such encroachments had been successfully made, and valuable portions of the public streets had thus been appropriated by private individuals. The whole of Calcutta was honeycombed with foundations, and sometimes it was impossible to say how they came there; and when houses were rebuilt the owners often pointed to foundations which encroached on the road, and claimed to set forward their houses on the line of those foundations. In some cases, perhaps, such claims were well founded; in other cases they were not. And therefore the main benefit of the survey would be that when the time for appeal had expired the results of the survey should be final. The Corporation would be able to refer to the survey maps, and determine the boundaries according to those maps. His fear was that this section of the Bill, as it was at present worded, would not lead to that result, because it simply said that no suit should lie to set aside any demarcation of boundaries unless brought within one year from the notification published in the *Gazette* approving of the survey. But the demarcation of boundaries, it was expressly enjoined, should be simply a record of possession: it would simply demarcate the boundaries in the possession of the parties. It would be decided at the time of the survey that such and such lands were in the possession of such and such parties. A person, however, might admit the question of possession, but might claim that it did not correspond with his title; that he was in no way bound by the boundaries fixed by the survey; and that he had still a right to bring a suit, within the period of twelve years prescribed by the law of limitation, to alter the boundaries in accordance with what he might prove to be his right. Under these circumstances, MR. HARRISON submitted that the wording, which he proposed in his amendment would set all disputes at rest. If, however, any better wording was suggested, he did not ask that the wording in his amendment should be followed. It should, however, be made quite clear that the boundaries fixed by the survey were the correct boundaries, unless the owner could show by a suit brought within one year that the boundaries so marked were not the true boundaries. With this object he moved that for section 22 the following be substituted:—

"The boundaries of any land or premises as demarcated under the above procedure shall be deemed to be the correct boundaries, unless a suit is brought within one year from the date of the notification mentioned in the last preceding section to set aside such demarcation."

If the principle was admitted that the result of the survey was to be final, after the expiration of one year, as regards the question of title as well as the question of possession, MR. HARRISON asked the Council to say whether the section as now worded did clearly embody that principle or not.

The HON. BABU KALLY NATH MITTER said he was opposed to the amendment. Under the ordinary law of limitation a person had a period of twelve years to enforce his right of title to land by bringing a suit, and he did not see why that period should be curtailed to one year because there was to be a survey of the town. The Hon. Mover of the amendment knew that, when the last survey was made, the boundaries of many private lands were included in the streets of Calcutta, and if there was this provision, then, that the survey was to be a final settlement of boundaries unless objection was taken within one year, all those boundaries of

private lands would have become part and parcel of the streets, whereas they were in fact not part and parcel of them. Parties came forward afterwards to show that those portions of the streets were private lands, and that the surveyor who made the survey had made mistakes in putting them in as parts of the streets. As he understood the matter, Calcutta had changed to a great extent during the last few years, and therefore the survey made on the last occasion was not now a correct or complete survey of the town. Ditches had been filled up and converted into streets; new streets had been opened out where there were no streets before, and it was highly desirable that there should be a fresh survey to show what was the present state of the town. But he did not think it was intended that private interests were to be prejudiced. If a person had by the law of limitation twelve years to recover possession of his lands, he did not see why, by the mere fact of a fresh survey having become necessary, that right should be jeopardised.

The HON. MR. ANUNDO MOHUN BOSE said that he thought the Council ought not to accept the amendment of the hon. member, and for the reasons which had been pointed out by his hon. friend Babu Kully Nath Mitter. According to the present law, by virtue of Art. 14 of the Second Schedule to the Limitation Act, a suit could only be brought within one year to set aside an act or order by a Government Officer; and the section in the Bill embodied that general provision. But it had been held over and over again by the Courts that, though you might not bring a suit within twelve years so as to set aside an official act, yet virtually and practically the same suit might lie when it was framed so as to make it a suit for the recovery of possession. Therefore, under the present law, if a person had been improperly deprived of possession over premises, lands or buildings, he could come up within twelve years and assert his right, but he could not frame it as a suit to set aside the demarcation of boundaries by the Superintendent; and that was exactly the principle which had been embodied in the Bill and laid before the Council by the Select Committee. But it appeared that the object of the amendment was to carry this principle a great deal further, namely, that it should be held that the boundary line of the survey should be accepted as correct unless a suit was brought within a year. It was not for him to give any positive interpretation of those words; but it seemed to him that the effect of the proposed alteration in the language of the section, coupled with the speech of his hon'ble friend the mover of the amendment, might be to shew that it was the intention of the Legislature to alter the present law as to limitation. It was not desirable that under the cover of the present law for the survey of the town, and without any notice to the general public, they should encroach upon private rights, whatever might be the reason for proposing the change. He might further point out one thing. According to the amendment, the boundaries were to be accepted as correct unless a suit was brought within one year from the date of the notification approving of the survey. This would seem to imply that the presumption as to the correctness of the survey boundary was to cease when a suit was brought within the year. But he might ask what would happen if such a suit were to be instituted without resulting in a decision on the merits. There might be a nonsuit, or the case might be dismissed on the ground of some formal defect, and might or might not be followed by other suits. The presumption as to correctness having been once destroyed, the amendment did not proceed to provide for this state of affairs. For all these reasons he thought the amendment ought not to be adopted, and that the Council ought to leave the section exactly as it was.

The HON. MR. REYNOLDS said that the amendment, as interpreted by the speeches of the two Hon. Members, seemed to raise a double issue—one an issue of principle, and the other an issue which was merely verbal. He might say at once that his object in framing section 22, as it stood, was to secure the end which the Hon'ble Mr. Harrison intended to secure by his amendment. He understood under section 22 as it stood in the Bill, that any suit to set aside a demarcated boundary must be brought within one year, and that unless a suit was brought such demarcation would be final to prevent any subsequent question being raised in respect of those lands. But it appeared to him that this object was quite as well attained, possibly better, by the section as it stood in the Bill, than by the words of the amendment. He might say plainly that it was his intention to carry out that result; but he understood

there were some objections to this Council passing a law which would conflict with the wording of the Limitation Act, which was an Act passed by the Governor-General in Council. If that was the case, perhaps the Hon. the Advocate-General would explain the point. If the amendment were shown to be inadmissible on this ground, Mr. REYNOLDS hoped that the Hon. Member would be willing to allow the section to stand in the Bill as it was.

The HON. THE ADVOCATE-GENERAL said that it seemed to him that the amendment in no way extended the operation of the Bill. The survey was based upon evidence of possession, and the boundaries mentioned in the Hon. Member's amendment would be arrived at in the same way, namely, upon evidence of possession. There was not a single word as to "title" in the Bill, but it was proposed to get rid of the question of title in an indirect manner. The question of title could not be set at rest by one year's limitation. The Bengal Council had no power to take away that right which every person had under the present law to bring a suit for recovering possession of his property within twelve years. The section which had been pointed out to him as possibly giving the Bengal Council that power was section 6 of the Limitation Act, which provided as follows:—"When, by any special or local law now or hereafter in force in British India, a period of limitation is specially prescribed for any suit, appeal or application, nothing herein contained shall affect or alter the period so prescribed." That section being read subject to section 42 of the Indian Councils' Act relates to Acts to be passed by the Governor-General in Council. Therefore the position he took up was this: *first*, that the amendment would not extend the operation of this Bill. Section 11 of the Bill provided that an appeal should lie to the Board of Revenue. When that tribunal disposed of the appeal, there was an end to all litigation under the Act, except so far as section 22 provided that a suit might be brought within one year. If the object of the amendment was to affect title to land, he said it would not affect the question of title at all by providing a limitation of one year, as this Council had not the power to do that.

The Hon. Mr. HARRISON said that he was justly entitled to congratulate himself that the hon. member in charge of the Bill had intended by the section in the Bill to produce the same result that the amendment before the Council had for its object, but it appeared that Hon. Members who opposed the amendment thought it would not achieve that result. Then the next questions were whether it was desirable that that result should be achieved, whether the words he suggested would achieve it, and whether it was within the competence of this Council. As to whether it was desirable, he thought that if it was not done the survey would be deprived of a very great part of its advantages. It was precisely the element of finality that would make the survey the greatest boon, and it was on that account so desirable to attach a special period of limitation for the decision of all questions in relation to the boundaries to be demarcated by the survey. In the old possessory action of Magistrates there was a fixed period of limitation of six months within which parties were bound to bring a suit to alter the decision of the Magistrate. Similarly, after a survey was made and the boundaries laid down, a certain period should be allowed to bring a suit to prove any inherent rights of title, but if such right was not exercised within the time so fixed, the boundaries so determined should not be subject to be contested when any person rebuilt his house and sought to encroach upon the public road. In the second place, the question was whether the amendment did carry out the intention. With all respect to the opinion of the learned Advocate-General, Mr. HARRISON maintained that the amendment did effect that object so far as the municipality was concerned, because there was no question that, when the lands lying alongside the road were once finally demarcated, no one could thereafter claim any portion of the roadway. Therefore, if it could be said that the correct boundaries of the road and the lands adjoining it were correctly marked in the survey, then all the disputes which now occurred would virtually be at an end, as far as regards the rights of the public. No person could successfully claim that land was at one and the same time a part of a public road and a part of his private property. As regards the question of the competency of the Council to make such a provision of law, he must admit himself not to be able to contend against the opinion of the learned Advocate-General, if that was his

opinion; and he could only express his extreme regret that an opportunity like this should be lost simply from want of power in the Local Council to pass what seemed to him to be so valuable a provision. The great advantage which the Town would derive from the survey would be much diminished by the inability of the Council to make the decision as to boundaries final, and by leaving it open for ten or twelve years under the law of limitation for these boundary disputes to be brought forward in the way they were now done, which it was the object of the Corporation to settle once for all by this survey.

The HON. MR. MACALAY said that, with reference to the last point, and with the greatest deference for the opinion of the learned Advocate-General, he would ask him to consider carefully the wording of section 6 of the Limitation Act. A local law was a law applicable to a local area, and, under those circumstances, the expression "British India" could not be intended to mean the whole of British India; otherwise it would not be a local law. If the objection to this being a local law fell to the ground, the objection to a law of the Bengal Council applicable to Calcutta only also fell to the ground; and therefore this Council had power to pass either the section contained in the Bill, or the amendment now before the Council. While he was not in favour of the amendment, he thought the section in the Bill would have the desired effect.

The HON. MR. HARRISON, with reference to the opinion of the learned Advocate-General, then asked leave to withdraw the amendment.

HIS HONOUR THE PRESIDENT said that he thought, on the whole, this was the more sensible course to take. In this conflict between lawyers it was difficult for laymen exactly to understand the point. It seemed to him that if they looked upon the way in which section 22 had been drawn, it would be a very doubtful question whether the Assistant Superintendent's decision on evidence of possession and the appeal to the Board of Revenue on the possessory evidence, could be set aside by a Civil Court if brought after twelve months from such decision. If parties dispossessed came before a Civil Court and asked for redress, section 22 would seem to preclude them unless an action was brought within twelve months. The words were clear "that no suit should be entertained to set aside any demarcation of boundaries unless brought within one year after the date of the notification." It would be after all for the Courts to decide whether section 22 evaded the right of limitation for twelve years or not. It was therefore better to leave the section as it stood in the Bill.

The motion was then by leave withdrawn, and section 22 was agreed to.

The HON. MR. HARRISON moved the following amendment in section 24, viz., that at the end of section 24 (a), for "or" substitute "and by fixing a copy on some conspicuous part of the land or premises to which it relates, or." The object of the amendment, he said, was, if possible, to diminish the chance of a case being decided in the absence of the parties interested. In ordinary cases, no doubt, the parties would attend; but in some cases it would so evidently be the interest of one of the parties, if possible, to keep the other party in ignorance of what was being done, that special efforts might be made to prevent the other party, if out of Calcutta, from being made aware of the date fixed for the consideration of objections as to boundaries. The section provided that notice "should be served by delivering the same to the person to whom it is directed, or on failure of such service, by posting the same on some conspicuous part of the house in which the said person usually resides or holds his office, or carries on his business, or by delivering the same to an agent or servant of such person, or to a male adult member of his family." In all these alternative courses it might be so manipulated by persons interested, that the notice should not reach the person interested. It would be safer to add that in all these cases a copy of the notice must be affixed to some conspicuous part of the land or premises to which it relates. He did not think that would be considered superfluous as an additional precaution to prevent the notice escaping attention.

The motion was put and agreed to.

The HON. MR. HARRISON also moved the following amendment in the same section, viz., that in the proviso attached to the end of section 24, for "the survey made under this Act shall not," substitute "after the publication of the notification referred to in section 21 no survey made under this Act shall."

He said that, as this section was one of a little more importance, perhaps he should explain its intention and meaning. The proviso enacted that the

survey made under the Act should not be vitiated for any defect in the service of notice. But looking to section 6 of the Bill, which provided for cases in which the parties failed to appear after service of notice, it seemed hard to reconcile the two sections. The amendment he proposed was one which seemed to meet the object of the Bill, viz., finality in decisions, and was on the whole more equitable. Section 21 provided that, after all objections had been decided, the Lieutenant-Governor should signify his approval of the survey. That was a sort of wind-up of the survey, and left objectors to bring their suits within a year. If a person neglected his own interest so long that he waited till this final notice in the Gazette, and did not object that the notice never reached him, he might be fairly told that he was too late; and that would seem to meet all requirements. The amendment would not only harmonize this section with section 6, but would justify the rejection of all objections made after the approval of survey had been notified in the Gazette.

The motion was put and agreed to.

HIS HONOUR THE PRESIDENT remarked that, as the Bill had given rise to some discussion, he thought it would be better if its final passing into law was postponed till the next meeting of the Council.

The Council was then adjourned to Saturday, the 15th instant.

Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

Saturday, the 15th January 1887.

Present:

The HON. SIR RIVERS THOMPSON, K.C.S.I., Lieut.-Govr. of Bengal, *President*.
The HON. G. C. PAUL, C.I.E., *Advocate-General*.
The HON. H. J. REYNOLDS, C.S.I.
The HON. C. P. L. MACAULAY, C.I.E.
The HON. T. T. ALLEN.
The HON. H. L. HARRISON.
The HON. ABDUL JUBBAR.
The HON. G. IRVING.
The HON. D. CRUICKSHANK.
The HON. ANUNDO MOHUN BOSE.
The HON. KALLY NATH MITTER.

SURVEY OF THE TOWN OF CALCUTTA.

THE HON. MR. REYNOLDS, in moving that the Bill to provide for a survey of the Town of Calcutta be passed, said—this Bill was very fully discussed at the last meeting of the Council, and as no further amendments have been put on the paper, I may assume that Hon. Members are satisfied with the Bill as it stands. I may also mention that it is a matter of some importance that this Bill should be passed without delay. Hon. Members are no doubt aware that the survey mentioned in the Bill has already been commenced, and the Officer in charge of the survey finds it necessary that he should be armed with the powers which this measure will confer upon him.

The motion was put and agreed to.

The Council was adjourned to Saturday, the 29th instant.

REVISED RULES FOR THE AWARD OF GOVERNMENT JUNIOR
AND SENIOR SCHOLARSHIPS.

GENERAL DEPARTMENT—EDUCATION.

The 18th January 1887.

RESOLUTION.

READ—

Letter from the Director of Public Instruction, No. 7629, dated the 30th November 1886, submitting proposals for certain changes in the rules for the award of Government junior and senior scholarships.

The Lieutenant-Governor approves the following rules (in substitution for those now in force under Resolution dated 20th July 1882) for the award of junior and senior scholarships:—

JUNIOR SCHOLARSHIP RULES.

One hundred and fifty-two Government junior scholarships are awarded annually at the University Entrance examination to successful candidates educated at schools in Bengal.

2. The scholarships are of three grades—10 of the first grade carrying monthly stipends of Rs. 20, 47 of the second grade carrying monthly stipends of Rs. 15, and 95 of the third grade carrying monthly stipends of Rs. 10.

3. With the sanction of the Director of Public Instruction, a junior scholarship may be held at any one of the affiliated colleges in Bengal which the holder may select. A Government junior scholarship may also be held in the United Kingdom, subject to the conditions of good conduct and satisfactory progress. But a Government junior scholarship held in Bengal is not transferable to other provinces of India.

4. Each scholarship will, subject to good conduct, be tenable for two years, provided the holder is certified by the Principal of his College, at the end of the first year, to have made due progress in a collegiate course of instruction.

5. The holder of a junior scholarship in an institution not under the management of Government will be liable at any time to be examined by two persons appointed by the Director of Public Instruction, and approved by the Principal of the College to which he belongs; and on proof of unsatisfactory progress, to be deprived of his scholarship.

6. No candidate will be eligible who has not studied for the previous nine months, *i.e.*, the whole session, from July to March inclusive, in the school to which he belongs at the time of presenting himself at the Entrance examination, unless he has been transferred within that period with the sanction of the Circle Inspector.

7. The scholarships of the first grade will be awarded to the ten candidates who obtain the highest aggregate marks.

8. The scholarships of the second and third grades will, subject to future reconsideration, be allotted to the several Commissionerships in the following proportions:—

	Second grade.	Third grade.
Burdwan Division	6	12
Town of Calcutta	5	10
Presidency Division	7	13
Rajshahye Division	6	10
Dacca Division	6	12
Chittagong Division	2	6
Patna Division	6	12
Bhagulpore Division	3	9
Orissa Division	4	6
Chota Nagpore Division	2	5
Total	47	95

9. The Commissioner of the Division, in consultation with the Circle Inspector, will notify in the *Calcutta Gazette*, not later than the 1st September of each year, the number of junior scholarships to be allotted to each district at the ensuing April examination. This distribution should be confined to third grade scholarships, those of the second grade being awarded to the best students in the division without reference to districts. Scholarships not taken up in the district or division to which they are

assigned, may be awarded by the Director of Public Instruction at his discretion to deserving candidates from other divisions, special regard being had to the requirements of those parts of the country in which it is considered desirable to stimulate the demand for a collegiate education.

10. No candidate who cannot read and write with facility and correctness, one of the vernacular languages of Bengal, will be eligible for a junior scholarship.

11. The holders of scholarships in all Government colleges will be required to pay the usual monthly fees levied from other students, provided that no scholarship-holder shall be required to pay a higher fee than Rs. 10 per mensem.

SENIOR SCHOLARSHIP RULES.

Fifty Government senior scholarships are offered annually for competition at the First Examination in Arts to candidates educated in any college in Bengal affiliated to the University of Calcutta.

2. These scholarships are of two grades—10 of the first grade carrying stipends of Rs. 25 per mensem, and forty† of the second grade carrying stipends of Rs. 20 per mensem.

3. With the sanction of the Director of Public Instruction, a senior scholarship may be held at any affiliated college in Bengal which may be selected by the holder, with the exception that scholarships allotted to Behar and Orissa are not tenable in Arts Colleges in Bengal. A Government senior scholarship may also be held in the United Kingdom, subject to the conditions of good conduct and satisfactory progress. But a Government senior scholarship in Bengal is not transferable to other provinces of India.

4. Each scholarship will, conditionally on good conduct, be tenable for two years, provided that the holder is certified at the end of the first year by the Principal of his College to have made due progress in a collegiate course of instruction.

5. Second-year students alone will be eligible for scholarships, i.e., those students who have passed the Entrance examination two years before presenting themselves for the First Examination in Arts.

6. The ten scholarships of the first grade will be open to all affiliated institutions without distinction, and will be awarded to the candidates who obtain the highest total marks in all subjects.

7. The forty scholarships of the second grade will, subject to future reconsideration, be reserved for students at affiliated institutions in different parts of Bengal in the following proportions:—

				Number of scholarships.
Town of Calcutta	...	...	...	9
Presidency Division out of Calcutta	...	...	...	5
Burdwan Division	...	...	...	8
Rajshahye Division	...	...	...	3
Dacca and Chittagong Divisions	...	...	...	7
Patna and Bhagulpore Divisions	...	...	...	6
Orissa Division	...	...	...	2
Total				40

The scholarships will be awarded to the candidates from each tract who obtain the highest marks at the examination, and who do not gain scholarships of the first grade, provided that their names appear in the first or second division of the list of passed candidates. Scholarships may, however, be awarded in special cases to candidates from Behar or Orissa who fall below the second division.

8. From the allotment to the Presidency and Burdwan Divisions, one scholarship shall for the present be reserved for the candidate who obtains the highest marks from the Berhampore and Midnapore Colleges respectively, provided he passes in the first or second division, and does not gain a scholarship under rule 6 or 7.

9. The holders of senior scholarships in all Government colleges will be required to pay the usual monthly fees levied from other students.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Offg. Secy. to the Govt. of Bengal.

THE IRON WORKS AT BARAKAR.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

GENERAL—ACCOUNTS.

Dated Calcutta, the 11th January 1887.

The following list of articles that can be manufactured at the Iron Works at Barakar is published for information.

By order of the Lieutenant-Governor of Bengal,

W. B. BESTIC,

*Under-Secretary to the Government of Bengal,**P. W. Dept.**List of Articles that can be manufactured at the Iron Works at Barakar.*

Number of items.	NAMES OF ARTICLES.	Rate per cwt. at Barakar.		REMARKS.
		Rs.	A. P.	
1	Pipes (socket), cast-iron ...	4	0 0	Faced joints and drilled bolt-holes.
2	Flange pipes, ditto ...	6	0 0	
3	Special piping (bends, tees, &c.) ...	from 7	0 0	
4	Cylinders ...	7	8 0	Per cwt.
5	Pillars and brackets ...	7	8 0	
6	Girders ...	3	4 0	
7	Chairs for rails ...	3	4 0	Per gate.
8	D. O. sleepers (cast-iron parts), metre gauge ...	3	4 0	
9	D. O. sleepers (cast-iron parts), broad gauge ...	3	2 0	
10	Road-rammers ...	5	8 0	Per cwt.
11	Railings ...	from 4	8 0	
12	Gates ...	8	0 0	
13	Monkeys ...	from 80	0 0	Per cwt.
14	Weights (cast-iron) ...	5	0 0	
15	Anvils ...	8	0 0	
16	Axle-boxes, cast-iron parts only ...	6	0 0	For metre gauge railways.
17	Ditto ditto ditto ...	6	8 0	
18	Fire-bars for engines ...	from 6	0 0	
19	Trolly wheels, faced ...	7	0 0	Per piece.
20	Ploughs (complete) ...	from 3	12 0	
21	Ditto (cast-iron parts only) ...	4	0 0	
22	Hand water-lift ...	from 1	2 0	Ditto.
23	Water-lift for bullock power ...	1	10 0	
24	Castings (cast-iron), of sorts ...	from 30	0 0	
		3	8 0	Per cwt., according to weight per piece, complication of pattern, and quantity ordered.
		20	0 0	

N.B.—Further particulars may be obtained from the Superintendent of the Iron Works at Barakar.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 15th January 1887.

No.	District and date of return.	Rainfall at Sadher station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts</i>			
BURDWAN DIV.	1 Hardwan. Jan. 15, '87	Nil	Weather—seasonable. Prospects of <i>rubber</i> good. Price of rice 18 to 28 seers per rupee. Public health fair.
	Culna	0.18	
	Cutwa	0.49	
	Ranigunge	0.35	
	2 Bankura, „ 15 „	0.20	Weather—less cold than usual. <i>Amun</i> harvest finished. <i>Rubber</i> crops doing well. No change in prices. Public health good.
PRESDIDY DIV.	3 Beerbhoom, „ 15 „	0.07	Weather—cloudy. Harvesting of <i>amun</i> nearly completed; sugarcane and <i>rubber</i> crops doing well. Price of common rice 24 to 30 seers per rupee. Cholera has abated. Public health generally good.
	4 Midnapore, „ 15 „	0.41	Weather—seasonable. Prospects of cold-weather crops fair. Public health normal.
	5 Hooghly, „ 15 „	Nil	Weather—cool. Reaping of <i>amun</i> is almost over; outturn good. <i>Rubber</i> crops doing well. A few cases of cholera; public health otherwise good.
	Serampore	0.15	
	Howrah, „ 17 „	Nil	Weather—seasonable. State and prospects of crops favourable. Rice harvest continues.
<i>Central Districts</i>			
PRESDIDY DIV.	6 24-Pergho, Jan. 18, '87	Nil	Bright cold weather with heavy morning fogs. <i>Amun</i> harvest nearly over; outturn above the average. <i>Rubber</i> crops doing well. <i>Kalai</i> all off the ground. Public health fair. Cholera, in anything like an epidemic form, has disappeared.
	7 Nudda, „ 15 „	0.18	Weather—seasonable; sometimes cloudy. Prospects of <i>rubber</i> favourable. Cholera has almost ceased.
	Kushtia	0.38	
	Meherpore	0.05	
	Chandanga	0.27	
RAJSHANKE DIV.	8 Khoshtia, „ 15 „	0.08	Weather—seasonable. Prospects of winter crops good. <i>Amun</i> nearly harvested; outturn satisfactory. Public health good.
	9 Jessore, „ 15 „	0.11	Weather—seasonable. <i>Amun</i> harvesting still continues. Winter crops doing well in all sub-divisions, except in Bongong, where they are somewhat damaged by insects. Fever and cholera in places.
	Jhenidah	0.1	
	Magurrah	0.35	
	Narail	0.05	
RAJSHANKE DIV.	10 Moorsheebad „ 15 „	0.48	Weather—cool and cloudy. State and prospects of crops good.
	Jungipore		
	11 Dinagepore, Jan. 14, '87	Nil	Weather—overcast; rain in many places. In Thakurgaon very heavy rain with hail. Prospects of <i>rubber</i> crops good. <i>Amun</i> and sugarcane now completely harvested. Rice 21 to 29 seers per rupee. A few cases of cholera reported; cattle-disease in Hemtabad.
	12 Rajshahye, „ 15 „	0.06	Weather—cool and cloudy. Harvesting of <i>amun</i> paddy nearly completed; outturn nearly full. Rain has benefited spring crops, and has also improved general health.
	Natore	0.35	
RAJSHANKE DIV.	13 Rangpur, „ 15 „	0.74	Weather—cold and cloudy. Tobacco and other winter crops injured by recent hail. Harvesting of <i>amun</i> finished. Sugarcane is being cut. Public health better than before.
	Gaibanda	0.60	
	14 Bogra, „ 15 „	0.07	Weather—very cold and occasionally cloudy. Land is being ploughed for jute, <i>amun</i> , and sugarcane. <i>Rubber</i> crops doing well. Sporadic cholera reported from Dupchanchia, Sherakandy and Bogra police stations.
	Sherpur	1.87	
	Noukhilla	0.45	
RAJSHANKE DIV.	15 Purnea, „ 15 „	0.25	Weather—cool and pleasant. Crops excellent. Public health good.
	Serajgunge	0.53	
	16 Darjeeling, „ 15 „	0.23	Weather—cold and cloudy. Harvest prospects good. Public health good.
	Julpigore, „ 15 „	Nil	Weather—cold, foggy, and cloudy. <i>Haimanti</i> paddy is being threshed with good outturn. New potatoes now coming to market. Prospects of tobacco, sugarcane and mustard fair. Public health good.
<i>Eastern Districts.</i>			
DACCA DIVISION.	18 Dacca, Jan. 15, '87	Nil	Weather—cool and foggy. Mustard is being gathered. Cutting of sugarcane going on. Winter crops thriving. Prospects continue favourable. Cholera decreasing in Munshigunge. Public health good.
	Manickgunge	0.5	
	Munshigunge	0.24	
	19 Farreedpore, „ 15 „	Nil	Weather—seasonable. State of <i>rubber</i> crops fair. Paddy harvested. Public health good. Outbreak of cholera in some places in Madaripore sub-division.
	20 Backergunge, „ 14 „	Nil	Weather—seasonable. Harvesting of <i>amun</i> still going on. Fever of a severe type still prevails in parts of district. Sporadic cholera reported from various localities.
CHITTAGONG DIV.	21 Mymensingh, „ 14 „	0.34	Rain on 7th and 8th; weather now fine. Harvesting of winter rice finished. Prospects of crops good.
	Kishoregunge	0.67	
	Netrokona	0.23	
	Atia	0.59	
	22 Chittagong, Jan. 18, '87	Nil	Weather—seasonable. Harvesting of <i>amun</i> nearly completed. Winter crops doing well. Prices steady. Public health good.
CHITTAGONG DIV.	23 Noakhali, „ 14 „	1.28	Weather—seasonable. Reaping of <i>amun</i> still continues; good outturn expected. Rain has done much good to winter crops. Cholera reported from several places.
	Fenny	1.9	
	24 Tipnerah, „ 13 „	0.84	Weather—cold and bright. Winter rice harvested. A good deal of cholera in north and west of district.
	Chandpore	0.79	
	Brahmanbariah	0.70	
CHITTAGONG DIV.	25 Chittagong Hill „ 11 „	0.31	Weather—cloudy on 8th; cold throughout week. Mustard, tobacco and other cold-weather crops doing well.
	Hill Tipperah, „ 12 „	0.42	Weather—cold. Reaping of <i>amun</i> paddy nearly finished. Winter crops doing well. Public health good.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.			
PATNA DIV.	26 Patna, Jan 15, '87	0.43	Weather—cloudy and cold. Rain of 14th expected to do much good to standing crops which are generally promising. Pea and <i>rahar</i> in pod in some places. Poppy and cotton look well. Public health generally good.
	27 Gya, " 15 "	0.79	Weather—cloudy. Sugarcane and <i>rubbee</i> crops good. Poppy has suffered from grubs, but prospects still good. Public health good.
	28 Shahabad, " 15 "	0.57	Weather—cool and cloudy; mornings occasionally foggy. Rain beneficial to <i>rubbee</i> crops; prospects fair. Caterpillars have appeared and poppy reported to be very backward. Rain and hail have done some damage to this crop. Public health generally fair. Prices stationary.
	Buxar	0.21	
	Bossorah	0.20	
	Bhabhua	0.17	
	29 Darbhanga, " 15 "	0.23	Weather—latter part of week cloudy. Harvesting of paddy now over. Prospects of <i>rubbee</i> continue favourable. Rain, though light, has greatly benefited crops. Poppy and <i>rahar</i> in flower. Lands are being prepared for indigo. Prices stationary. Public health generally good.
	30 Moufferspore, " 15 "	0.44	Weather—mostly cloudy, with some rain; at time of report high wind from west. Prospects of most <i>rubbee</i> crops excellent. Poppy not quite so promising, owing to unsettled weather and caterpillars.
BAGHUR DIV.	Hajipur	1.03	
	31 Saran, " 15 "	0.61	Weather—cloudy. Prospects of <i>rubbee</i> and poppy excellent. Harvesting of paddy continues; outturn favourable. Pressing of sugarcane going on. Lands are being prepared for indigo. Public health good.
	32 Champaran, " 15 "	0.06	Weather—cool and cloudy with east wind. Prospects of <i>rubbee</i> and poppy continue favourable. Indigo fields are being prepared. Prices stationary. Public health fair.
	33 Monghyr, Jan. 15 "	0.53	Weather—cold and cloudy with high west wind. Prospects of <i>rubbee</i> and poppy crops continue favourable. Rain has been beneficial. Harvesting of rice nearly completed. Sporadic small-pox continues to be reported from Begusarai; otherwise public health generally good.
	Begusarai	0.49	
	Jamui	0.09	
	34 Bhagalpore, " 15 "	0.17	Weather—cloudy with slight rain. Rice harvest complete. Rain has done good to <i>rubbee</i> , but it is not everywhere coming on as well as expected. Public health good.
	35 Purneah, " 15 "	0.20	Weather—cool with high wind and sometimes cloudy. <i>Aghni</i> harvest above the average. Cold-weather crops doing well. Public health good.
ORISSA	Kishengungo	0.80	
	Arrareah	1.24	
	36 Maldah, " 15 "	0.09	Weather—generally fair and cool, but occasionally cloudy with slight showers. Winter rice is still being harvested in some parts with good outturn. <i>Rubbee</i> crops promising. Price of common rice 25 to 25 seers per rupee. Public health good.
	Chanchal	0.07	
	Gazole	0.19	
	37 Sonthal Pergah, " 15 "	Nil	Weather—seasonable with occasional clouds. Rice harvest now over; outturn reported to be a full 16-anna crop. <i>Rubbee</i> crops doing well. Prices stationary. General health fair.
	Deoghur	0.34	
	Pakour	0.13	
CHOTA NAGPORE.	Rajnabadi	0.09	
	Godda	0.47	
	South-West Frontier Agency.		
CHOTA NAGPORE.	38 Cuttack, Jan. 14 "	0.02	Weather—seasonable. Reaping of <i>sarad</i> rice still continues in many places; outturn generally good. <i>Rubbee</i> is being gathered. <i>Dalua</i> rice doing well. Price of rice slightly low. Public health generally good. Ordinary fever prevails in some places.
	39 Pooree, " 13 "	Nil	Weather—seasonable. Harvesting of late <i>sarad</i> rice is still going on. <i>Dalua</i> crop thriving. Mustard is being gathered. Common rice 26 seers 12 chittacks in Sudder sub-division, and 27 seers 10 chittacks in Khurda sub-division. Public health good.
	40 Balasore, " 14 "	Nil	Weather—getting warmer daily. Harvesting of paddy nearly over. Prospects of winter crops good. Fever and cholera reported from the interior.
	South-West Frontier Agency.		
CHOTA NAGPORE.	41 Hazaribaga, Jan. 14, '87	Nil	Weather—cloudy and wet during latter part of week. <i>Rubbee</i> prospects excellent. Caterpillars have attacked poppy crop; extent of damage not stated. Fever reported from Chatra and Giridih, and cattle-disease from some stations. Public health otherwise good.
	42 Lohardugga, " 15 "	0.56	Weather—cool and cloudy with drizzling rain. Winter crops promising. Prices stationary. Public health good.
	Palamow	0.75	
	43 Singbhum, " 14 "	0.13	Light rain during the week; weather cloudy still. No paddy on the ground. Sugarcane is being pressed. Oilseeds are being cut. Other cold-weather crops doing well. Cattle-disease continues in Kalkapore thana. General health good.
CHOTA NAGPORE.	44 Manbhum, " 15 "	0.37	Weather—cloudy at intervals with light showers. Paddy has been threshed. Winter crops good. Public health good.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 18th January 1887.P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.		STATION OBSERVATIONS.														
		DISTRICT.	Representative station.	AIR PRESSURE.			WIND.		TEMPERATURE.							
				Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily term of variation from normal mean of week.	Mean to A.M. temperature.
ORIGINAL.	Cooree	Gopulpore	30.034	30.084	—	ESE	103	81.2	10th Jan.	61.9	14th Jan.	70.7	60.4	74.6	—	
		False Point	30.070	30.002	—0.024	NNE	137	80.1	8th & 12th Jan.	68.0	10th & 14th Jan.	70.4	60.4	69.4	+0.4	
	Cuttack	Cuttack	30.014	30.000	—0.012	ESE	32	80.4	12th & 14th Jan.	60.8	14th Jan.	85.8	61.7	73.4	+2.4	
	Balasore	Balasore	30.002	30.123	—	Calm, NE	107	81.9	14th Jan.	51.5	14th Jan.	70.4	60.0	66.6	—	
	South-West Midnapore	Sunder Island	30.072	30.000	—0.018	ESE	158	79.2	8th Jan.	65.9	10th Jan.	74.7	60.7	67.7	+0.0	
	South 24-Pergunnahs	Midnapore	29.955	30.113	—	N	63.1	83.3	8th Jan.	50.7	10th Jan.	79.0	60.5	67.8	—	
	4-Pergunnahs															
	Lowah	Calcutta	30.083	30.105	—0.037	NNE	72	81.1	8th Jan.	61.3	10th Jan.	76.0	65.9	65.9	0	
	Dugchly															
	Burdwan	Burdwan	30.014	0.1.8	—0.0.9	Calm	44.3	70.5	14th Jan.	49.5	10th Jan.	77.3	64.8	60.1	—0.1	
SOUTH-WEST BENGAL.	Bankura	Bankura	29.774	—	—	Variable	8.4	79.1	14th & 14th Jan.	50.8	10th Jan.	76.0	66.0	66.0	—	
	Keshibom	Ransingh	29.770	—	—	Variable	58.7	78.5	14th Jan.	51.2	10th Jan.	75.3	64.9	65.1	—	
	West Burdwan															
	Moorsheadabad	Herchampur	30.036	30.106	—0.008	SW	73.8	76.1	14th Jan.	50.2	10th Jan.	74.0	64.8	64.8	—0.4	
	Nudda	Krishnachur	30.046	—	—	Variable	57.6	79.0	14th Jan.	46.7	10th Jan.	70.4	61.9	63.7	—	
	Jessore	Jessore	30.078	30.113	+0.006	N	39.4	60.7	8th Jan.	48.3	10th Jan.	76.4	64.0	66.2	+0.3	
	Khoulia															
	Chittagong	Chittagong	29.988	30.081	—0.013	NNE	51	82.6	14th Jan.	52.8	12th Jan.	78.5	66.1	67.3	+1.7	
	Chittagong Hill Tracts	Dumaguri				Observations not received.										
	Backergunge	Bayrisal	30.070	30.083	—	N	60.0	70.8	8th Jan.	51.1	14th Jan.	76.4	60.1	65.3	—	
EAST BENGAL.	Noakhally	Noakhally	30.040	30.085	—	SW	65.6	80.5	8th Jan.	48.3	11th Jan.	76.2	63.4	64.3	—	
	Furzedpore	Furzedpore	30.061	—	—	Northerly	48.4	78.3	8, 13 & 14 Jan.	47.8	11th Jan.	71.1	62.5	61.6	—	
	Dacca	Dacca	30.083	30.103	+0.009	Variable	60	80.0	14th Jan.	51.2	10th, 11th & 12th Jan.	76.0	64.8	65.4	+0.1	
	Tipperah	Comillah	30.031	30.088	—	SW	20.5	81.4	8th Jan.	49.1	14th Jan.	76.2	64.0	66.1	—	
	Mymensingh	Mymensingh	30.045	—	—	Calm	33	69.4	12th Jan.	41.1	10th Jan.	65.9	60.5	58.2	—	
	Bogra	Bogra	30.004	30.060	—	NE	37.9	76.3	14th Jan.	46.6	10th Jan.	72.8	61.5	62.3	—	
	Pubna	Serajung	30.043	30.001	—	N	41.8	76.2	14th Jan.	44.2	10th Jan.	72.9	60.1	61.3	—	
	Rajshahye	Rampore Beah.	29.943	30.058	—	SW	82.8	77.2	8th Jan.	46.7	14th Jan.	73.9	60.3	62.1	—	
	Maidah	Maidah	30.014	—	—	NE	1.0	75.4	14th Jan.	48.9	10th Jan.	73.8	61.7	62.8	—	
	Dinagore	Dinagore	29.960	30.060	—	Variable	40	75.1	9th Jan.	42.4	10th & 13th Jan.	73.3	63.0	61.0	—	
NORTH BENGAL.	Rungpore	Rungpore	29.975	30.107	—	NE	53	74.6	14th Jan.	44.8	10th Jan.	70.7	61.2	61.0	—	
	Jalpigore	Jalpigore	29.905	30.100	—	NE, SE	46.9	72.9	12th & 14th Jan.	47.9	11th Jan.	70.3	62.7	61.5	—	
	Cooch Behar															
	Darjeeling Hill District	Darjeeling	22.951	—	—1.15	Calm	119.1	42.1	14th Jan.	31.1	9th Jan.	40.3	31.0	36.7	—4.9	
	Purneah	Purneah	29.983	30.110	—0.035	Calm	21.4	72.2	9th & 14th Jan.	42.9	10th Jan.	70.1	60.0	60.3	—1.3	
	North Bhagulpore															
	Mozufferpore	Mozufferpore				Observations suspended.										
	Durbhanga	Durbhanga	29.958	30.116	—0.027	WSW	59	72.6	13th Jan.	47.8	10th Jan.	71.3	64.3	62.8	+1.1	
	Champaran	Motihari	29.959	30.100	—	Variable	120.3	73.6	13th Jan.	45.6	9th Jan.	70.4	60.3	64.3	—	
	Barua	Chupra	29.853	—	—	SE	121.8	76.0	8th Jan.	46.2	10th Jan.	72.7	61.6	62.2	—	
NORTH BENGAL.	Shahabad	Dehree	29.740	30.115	—	SSW	118.6	74.6	13th Jan.	47.5	11th Jan.	71.0	63.8	62.4	—	
		Buxar	29.853	30.110	—	ENE	115.4	71.4	13th Jan.	48.0	10th Jan.	72.2	62.3	62.3	—	
		Arrah	29.854	30.007	—	SE	34.2	74.3	14th Jan.	46.9	9th & 10th Jan.	71.3	61.1	61.3	—	
	Gya	Gya	29.708	30.005	—0.093	Northerly	60.8	75.7	14th Jan.	49.6	10th Jan.	70.2	64.0	65.6	+1.3	
	Patna	Bankipore	29.929	30.123	—0.017	W	51.2	72.8	11th & 13th Jan.	44.9	10th Jan.	71.1	62.2	61.0	+1.0	
	South Bhagulpore	Bhagulpore	29.928	30.008	—	W	54	72.9	13th Jan.	45.0	10th Jan.	71.3	62.1	61.7	—	
	Munphyr															
	South 24-Pergunnahs	Dumka	29.980	—	—	Calm	15.6	76.6	13th Jan.	46.0	10th Jan.	73.0	62.5	63.0	—	
	Hazaribagh	Hazaribagh	28.936	30.124	+0.003	Variable	145.8	76.4	13th Jan.	45.6	9th Jan.	68.4	61.6	60.2	—0.7	
	Manbhum	Ranchee	27.896	30.095	—	SW	116.3	73.0	13th Jan.	42.9	9th Jan.	71.3	61.3	61.3	—	
NORTH BENGAL.	Chyabasa	Chyabasa	29.801	—	—	Variable	28.3	81.7	13th Jan.	50.1	10th Jan.	70.2	60.1	67.7	—	

Explanation. - Summary. - The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same period for the years 1871-80. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The rain is the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question during the year. The rain in the district is the sum of the rainfall in all the sub-divisional stations divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 14th January 1887.

DISTRICT OBSERVATIONS.														Representative station.	District.	METEOROLOGICAL STATION.	Divi.	
RAINFALL.																		
Of week.		Since 1st of month.			Since 15th May 1886.			Average number of rainy days.	Normal number of rainy days.									
Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.											
57	2.4	0.10	—	—	—	—	—	—	—	—	—	—	—	Gopalpore	...	...	...
58	1.1	0.10	0.03	0.03	0.03	0.06	—0.03	61.21	55.70	+5.51	0.3	0.1	False Point	...	Pooree	...	...
59	2.3	—	0.09	0.06	0.09	0.09	0	63.72	51.69	+12.22	0.6	0.2	Cuttack	...	Cuttack	...	...
60	0	—	0.07	0.06	0.12	0.16	—0.03	57.66	53.59	+3.97	0.3	0.2	Balasore	...	Balasore	...	...
61	1.1	0.09	0.24	0.11	0.24	0.17	+0.07	51.89	63.02	—11.33	0.7	0.2	Saugor Island	...	South-West Midnapore	...	...
62	1.4	0.07	0.37	0.17	0.06	0.25	+0.31	46.33	51.78	—5.40	1.0	0.2	Mednapore	...	Midnapore	...	...
63	1.4	1.30	0.65	0.10	0.67	0.21	+0.39	56.76	51.77	+4.99	0.8	0.2	Calcutta	...	24-Pargunnahs...	...	...
64	1.4	0.15	0.22	0.05	0.27	0.11	+0.16	52.33	46.17	+6.16	1.0	0.1	Burdwan	...	Howrah	...	...
65	0.6	0.25	0.15	0.07	0.23	0.08	+0.15	52.59	52.03	+0.56	1.0	0.2	Bankura	...	Hooghly	...	...
66	0.7	0.53	0.06	0.14	0.53	0.22	+0.31	65.61	51.60	+14.01	0.5	0.2	Raneesungoo	...	Burdwan	...	...
67	1.4	0.32	0.08	0.16	0.14	0.22	+0.32	59.23	49.85	+10.38	0.7	0.2	Borhampore	...	West Burdwan	...	...
68	1.9	0.17	0.20	0.05	0.23	0.13	+0.10	54.70	48.90	+5.74	0.8	0.1	Krishnagur	...	Mooredabad	...	...
69	3.6	0.37	0.10	0.00	0.10	0.20	—0.01	55.51	53.35	+2.16	1.0	0.2	Jessore	...	Nuddea	...	...
70	1.7	0.06	0.45	0.06	0.45	0.10	+0.35	127.34	113.43	+13.91	1.0	0.3	Chittagong	...	Jessore	...	...
71	1.4	0.11	0.35	0.06	0.05	0.29	+0.30	76.57	77.63	—1.06	0.8	0.1	Dumra	...	Khoolna	...	...
72	1.1	1.28	1.59	0.09	1.59	0.36	+1.23	116.14	104.74	+11.40	2.0	0.2	Barisal	...	Chittagong Hill Tracts	...	...
73	1.3	0.20	0.07	0.09	0.10	0.15	+0.01	59.79	55.61	+4.18	0.7	0.2	Nonkholly	...	Backergunge	...	...
74	1.7	0.18	0.25	0.04	0.32	0.13	+0.19	76.27	58.30	+17.97	1.2	0.1	Furroadpore	...	Nonkholly	...	...
75	2.0	0.77	0.01	0.11	0.69	0.30	+0.39	70.02	70.74	+0.72	1.3	0.2	Dacca	...	West Burdwan	...	...
76	3.3	—	0.23	0.09	0.36	0.17	+0.19	69.05	67.30	+1.75	1.0	0.2	Comillah	...	Tipperah	...	...
77	2.4	—	0.03	0.13	0.43	0.17	+0.26	55.59	56.14	+0.55	0.5	0.2	Mymensingh	...	Mymensingh	...	...
78	2.4	—	0.16	0.02	0.03	0.17	+0.35	55.84	53.39	+2.45	1.0	0.2	Bogra	...	Chittagong Hill Tracts	...	...
79	1.0	0.07	0.23	0.17	0.03	0.32	+0.31	63.89	54.70	+9.19	0.4	0.2	Seragunge	...	Chittagong Hill Tracts	...	...
80	1.7	—	0.07	0.10	0.26	0.22	+0.04	61.53	53.36	+8.17	1.0	0.2	Rampore Beaulah	...	Backergunge	...	...
81	2.7	—	0.14	0.06	0.31	0.07	+0.24	72.02	53.55	+18.47	0.8	0.2	Maldah	...	Backergunge	...	...
82	1.6	1.44	1.04	0.02	1.08	0.11	+0.97	72.99	73.14	—0.15	1.3	0.1	Dinapore	...	Backergunge	...	...
83	0.3	—	0.18	0.04	0.18	0.05	+0.13	108.33	110.35	—2.02	1.0	0.1	Rungpore	...	Backergunge	...	...
84	0.4	0.23	0.63	0.07	0.63	0.12	+0.51	139.22	110.37	+28.85	2.0	0.1	Julpigoree	...	Backergunge	...	...
85	4.3	0.20	0.55	0.06	0.55	0.13	+0.42	78.10	56.47	+21.63	1.6	0.1	Darjeeling	...	Backergunge	...	...
86	—	—	—	—	—	—	—	—	—	—	—	—	—	Purneah	...	Backergunge
87	2.1	0.23	0.33	0.15	0.33	0.27	+0.06	61.43	42.66	+18.77	1.7	0.3	Comillah	...	North Bhagulpore	...	...
88	0.3	0.06	0.03	0.24	0.03	0.29	—0.26	60.03	46.13	+13.90	1.0	0.3	Mozufferpore	...	North Bhagulpore	...	...
89	0.9	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Duribhanga	...	North Bhagulpore	...	...
90	0.1	0.43	—	—	—	—	—	—	—	—	—	—	—	Motihari	...	Chumparun
91	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Chopra	...	Saran	...	...
92	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Dehra	...	Shahabad	...	...
93	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Buxar	...	Shahabad	...	...
94	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Arrah	...	Shahabad	...	...
95	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Gya	...	Gya	...	...
96	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Bankipore	...	Patna	...	...
97	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Bhagulpore	...	South Bhagulpore	...	...
98	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Bhagulpore	...	Monghyr	...	...
99	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Doomka	...	South 24-Pargunnahs	...	...
100	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Hazarebagh	...	Hazarebagh	...	...
101	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Ranchoo	...	Lohardigha	...	...
102	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Chyebassa	...	Manbhoom	...	...
103	0.1	0.69	0.37	0.17	0.37	0.21	+0.16	61.55	41.10	+20.45	1.7	0.3	Chyebassa	...	Singbhoon	...	...

The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.

The cloud amount represents the part of the sky covered, the whole sky being divided by 10. Under the head "District observations of rainfall" the normal means

the means of the district are the numerical averages of the rainfall returns received in the district, i.e., from the total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 14th of January 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1886.	Average rainfall from 15th May 1886 to date.
			Saturday, 9th January.	Sunday, 9th January.	Monday, 10th January.	Tuesday, 11th January.	Wednesday, 12th January.	Thursday, 13th January.	Friday, 14th January.	Number of rainy days.	of Rainfall week.				
ORISSA	Poores	Poores	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	Nil	54'01.	51'47
		Kharislah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'11	55'39	51'48
		Banpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'03	50'57	51'49
		False Point	.....	0'46	.....	.....	.....	.....	.....	1	0'46	0'46	0'13	57'51	54'74
		Pipli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	50'03	?
	Cuttack	Jagatsingapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'09	54'46	51'40
		Banki	0'40	.....	.....	.....	.....	.....	.....	1	0'40	0'40	0'11	50'52	51'40
		Cuttack	0'02	.....	.....	.....	.....	.....	.....	1	0'02	0'02	0'03	72'72	51'40
		Kendrapara	0'01	.....	.....	.....	.....	.....	.....	1	0'01	0'01	0'11	54'36	51'40
		Jaspore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'23	52'50	51'40
	Balsore	Dharmasalla	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	52'38	?
		Salipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Chandbali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'13	54'21	51'40
		Bhuddruck	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'04	54'04	51'40
		Sorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'05	57'37	51'40
SOUTH-WEST BENGAL.	Midnapore	Jalaspore	0'25	.....	.....	.....	.....	.....	.....	1	0'25	0'25	0'31	51'30	51'40
		Barpaddah	0'15	.....	.....	.....	.....	.....	.....	1	0'15	0'46	0'20	53'38	51'40
		Contai	.....	0'09	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'15	41'51	51'40
		Sanger Island	.....	.....	.....	.....	.....	.....	.....	1	0'09	0'09	0'16	51'07	51'40
		Tinibook	0'40	.....	.....	.....	.....	.....	.....	1	0'40	0'40	0'18	44'10	51'40
	24-Pargunnah	Mathurapore	0'41	.....	.....	.....	.....	.....	.....	1	0'41	0'72	0'24	43'71	51'40
		Glitsal	0'30	.....	.....	.....	.....	.....	.....	1	0'30	0'56	0'23	43'34	51'40
		Deop	0'57	.....	.....	.....	.....	.....	.....	1	0'57	0'57	?	39'56	51'40
		Heria	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	47'47	51'40
		Bhagananpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	43'36	51'40
	Howrah	Garbeta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	49'01	51'40
		Diamond Har- bour	0'04	.....	.....	.....	.....	.....	.....	1	0'04	0'04	0'20	51'57	51'40
		Canning Town	0'10	.....	.....	.....	.....	.....	.....	1	0'10	0'10	?	53'37	51'40
		Ahore Jail	1'8	.....	.....	.....	.....	.....	.....	1	1'28	1'28	0'57	54'45	51'40
		Barackpore	0'48	.....	.....	.....	.....	.....	.....	1	0'48	0'48	0'16	54'51	51'40
	Hooghly	Dum-Dum	0'52	.....	.....	.....	.....	.....	.....	1	0'52	0'52	0'23	52'29	51'40
		Baraset	0'52	.....	.....	.....	.....	.....	.....	1	0'52	0'52	0'23	52'29	51'40
		Buseerhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'25	50'13	51'40
		Howrah	0'75	.....	.....	.....	.....	.....	.....	1	0'75	0'75	0'24	51'30	51'40
		Mohesvika (Ooloberiah.)	0'80	.....	.....	.....	.....	.....	.....	1	0'80	0'80	0'33	54'43	51'40
	Hugli	Serampore	0'45	.....	.....	.....	.....	.....	.....	1	0'45	0'45	0'15	57'08	51'40
		Hooghly	0'55	.....	.....	.....	.....	.....	.....	1	0'55	0'55	0'09	55'50	51'40
		Jehanabad	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'20	0'09	51'40	51'40
		Culina	0'18	.....	.....	.....	.....	.....	.....	1	0'18	0'18	0'09	53'23	51'40
	Burdwan	Burdwan	0'07	.....	.....	.....	.....	.....	.....	1	0'07	0'15	0'03	58'77	51'40
		Cutwa	0'41	.....	.....	.....	.....	.....	.....	1	0'41	0'40	0'20	48'40	51'40
		Raneegunge	0'18	.....	.....	.....	.....	.....	.....	1	0'18	0'53	0'13	56'00	51'40
		Mankur	0'13	.....	.....	.....	.....	.....	.....	1	0'13	0'35	?	52'35	51'40
	Bankura	Bankura	0'20	.....	.....	.....	.....	.....	.....	1	0'20	0'20	0'06	51'50	51'40
		Bishnupore	0'08	.....	.....	.....	.....	.....	.....	1	0'08	0'11	0'07	50'34	51'40
		Malura	0'32	.....	.....	.....	.....	.....	.....	1	0'32	0'32	0'03	57'57	51'40
		Khatra	0'11	.....	.....	.....	.....	.....	.....	1	0'11	0'21	0'15	50'15	51'40
		India	0'12	.....	.....	.....	.....	.....	.....	1	0'12	0'12	?	48'44	51'40
SOUTH-EAST BENGAL.	Bardhaman	Kotalpore	0'26	.....	.....	.....	.....	.....	.....	1	0'26	0'26	?	43'52	51'40
		Anda	0'00	.....	.....	.....	.....	.....	.....	1	0'40	0'40	?	38'40	51'40
		Gangajalghat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'20	?	54'50	51'40
		Raipore	0'02	.....	.....	.....	.....	.....	.....	1	0'02	0'02	?	55'78	51'40
		Sonamukhi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'30	?	38'59	51'40
	Bierbhoom	Bh. Seary	0'07	.....	.....	.....	.....	.....	.....	1	0'07	0'07	0'21	57'16	51'40
		Hemapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'40	0'25	55'58	51'40
		Bampore Haut	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'40	0'25	55'58	51'40
		Botpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	58'53	51'40
	Nadua	Ranaghat	0'24	.....	.....	.....	.....	.....	.....	1	0'24	0'24	0'07	49'01	51'40
		Kishnaghat	0'11	.....	.....	.....	.....	.....	.....	1	0'11	0'14	0'13	48'58	51'40
		Choudanga	0'55	.....	.....	.....	.....	.....	.....	1	0'55	0'27	0'17	51'55	51'40
		Moherpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'08	0'12	52'08	51'40
		Koowl'ua	0'38	.....	.....	.....	.....	.....	.....	1	0'38	0'39	0'13	50'51	51'40
	Khoolna	Satkira	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'25	55'05	51'40
		Bagirhat	0'21	.....	.....	.....	.....	.....	.....	1	0'21	0'31	0'33	75'45	51'40
		Khoolna	0'12	0'08	.....	.....	.....	.....	.....	2	0'20	0'20	0'30	47'06	51'40
	Jessore	Narail	0'55	.....	.....	.....	.....	.....	.....	1	0'55	0'35	0'21	51'25	51'40
		Jessore	0'25	0'03	.....	.....	.....	.....	.....	2	0'37	0'37	0'17	54'43	51'40
		Jheridah	0'10	.....	.....	.....	.....	.....	.....	1	0'10	0'10	0'17	51'21	51'40
		Mugamoh	0'05	.....	.....	.....	.....	.....	.....	1	0'05	0'08	0'12	51'33	51'40
		Bongong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'08	51'48	51'40
	Moorebhatari	Randi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'73	0'14	51'55	51'40
		Berhampore	0'05	.....	.....	.....	.....	.....	.....	1	0'05	0'44	0'20	50'51	51'40
		Lalbari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'44	0'01	50'11	51'40
		Azamgarh	0'08	.....	.....	.....	.....	.....	.....	1	0'08	0'54	0'24	51'10	51'40
		Jungipore	0'20	.....	.....	.....	.....	.....	.....	1	0'20	0'54	0'25	57'75	51'40
	Chittagong	Lalbari	0'15	.....	.....	.....	.....	.....	.....	1	0'15	0'49	0'37	58'09	51'40
		Akhutanj	0'10	.....	.....	.....	.....	.....	.....	1	0'10	0'78	?	?	51'40
		Cox's Bazar	.....	0'06	.....	.....	.....	.....	.....	1	0'06	0'06	0'09	133'01	51'40
		Chittagong	0'03	.....	.....	.....	.....	.....	.....	1	0'03	0'03	0'09	121'08	51'40
		Autubara	.....	0'15	.....	.....	.....	.....	.....	1	0'15	0'15	?	115'08	51'40
	Chittagong Hill Tracts	Atakanya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	110'31	51'40
		Rangmat	0'29	0'02	.....	.....	.....	.....	.....	2	0'31	0'31	0'21	90'41	51'40
		Ruma	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'15	52'52	51'40
	Haakergunge	Patunkhally	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'35	79'27	51'40
		Perampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'20	0'29	70'43	51'40
		Burruah	0'02	0'11	.....	.....	.....	.....	.....	2	1'04	1'04	0'29	51'00	51'40
	Bhola	Bhola	0'34	.....	.....	.....	.....	.....	.....	1	0'34	0'34	0'25	55'53	51'40

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 14th of January 1887—contd.

District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 18th May, 1886.	Average rainfall from 18th May to date.
		Saturday, 8th January.	Sunday, 9th January.	Monday, 10th January.	Tuesday, 11th January.	Wednesday, 12th January.	Thursday, 13th January.	Friday, 14th January.	Number of rainy days.	Rainfall week.				
Northchelly ..	Gournaddi ..	0.16	.....	.....	.....	.....	.....	.....	1	0.16	0.16	?	62.95	?
	Banphal ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	52.97	?
	Noakhelly ..	1.16	0.18	.....	.....	.....	.....	.....	2	1.34	1.34	0.27	110.19	108.40
	Fenny ..	1.36	0.45	.....	.....	.....	.....	.....	2	1.81	1.81	0.45	122.08	107.78
Farrakka ..	Harishpore ..	.....	0.10	.....	.....	.....	.....	.....	1	0.10	0.10	?	139.75	?
	Banganj ..	0.83	.....	.....	.....	.....	.....	.....	1	0.83	0.83	?	92.46	?
	Madaripore ..	0.16	.....	.....	.....	.....	.....	.....	1	0.16	0.16	0.24	67.18	53.77
	Furzedpore ..	0.06	.....	.....	.....	.....	.....	.....	1	0.06	0.06	0.07	59.43	54.08
Mymensingh ..	Goalundo ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.25	0.14	53.78	53.71
	Munshigunge ..	0.31	0.03	.....	.....	.....	.....	.....	2	0.34	0.34	0.20	65.04	70.22
	Dacca ..	0.16	.....	.....	.....	.....	.....	.....	1	0.16	0.16	0.13	67.63	54.41
	Naraingunge ..	0.37	.....	.....	.....	.....	.....	.....	1	0.37	0.37	Nil	61.93	54.21
Hill Tipperah ..	Manickgunge ..	0.26	.....	.....	.....	.....	.....	.....	1	0.26	0.26	0.18	58.47	60.40
	Joydebpore ..	0.58	0.50	.....	.....	.....	.....	.....	2	1.08	1.08	?	70.09	?
	Agartola ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.42	0.43	61.45	63.05
	Comilla ..	0.71	0.13	.....	.....	.....	.....	.....	2	0.84	0.84	0.41	85.18	74.04
Mymensingh ..	Chandpore ..	0.70	.....	.....	.....	.....	.....	.....	1	0.70	0.70	0.18	82.75	81.03
	Brahmunberia ..	0.18	0.30	.....	.....	.....	.....	.....	2	0.48	0.79	0.37	69.97	63.63
	Ramchandrapore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	64.70	?
	Narainagar ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.14	?	53.43	?
Mymensingh ..	Isadhandi ..	.....	0.06	.....	.....	.....	.....	.....	1	0.06	0.31	?	74.07	?
	Kasba ..	1.00	.....	.....	.....	.....	.....	.....	1	1.00	1.00	?	83.31	?
	Lakshmi ..	0.94	.....	.....	.....	.....	.....	.....	1	0.94	0.94	?	94.60	?
	Kishornagar ..	0.53	.....	.....	.....	.....	.....	.....	1	0.53	0.53	0.29	73.29	69.08
Mymensingh ..	Atia (Tangail) ..	0.28	.....	.....	.....	.....	.....	.....	1	0.28	0.28	0.19	63.70	54.86
	Mymensingh ..	0.69	.....	.....	.....	.....	.....	.....	1	0.69	0.69	0.17	83.42	74.38
	Jamulpore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.21	69.82	63.87
	Netrokona ..	0.00	0.10	.....	.....	.....	.....	.....	2	0.10	0.23	Nil	78.19	70.13
Mymensingh ..	Subornakhali ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.41	?	44.13	?
	Durgapore ..	0.33	.....	.....	.....	.....	.....	.....	1	0.33	0.33	?	?	?
	Dewanganj ..	0.40	.....	.....	.....	.....	.....	.....	1	0.40	0.40	?	63.61	?
	Pabna ..	0.25	.....	.....	.....	.....	.....	.....	1	0.25	0.25	0.17	61.11	51.33
Rajshahi ..	Soragunge ..	0.08	.....	.....	.....	.....	.....	.....	1	0.08	0.55	0.17	56.65	43.40
	Sherpore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.40	0.20	64.61	57.97
	Nows hills ..	0.06	.....	.....	.....	.....	.....	.....	1	0.06	0.45	0.30	61.38	51.53
	Hogra ..	0.07	.....	.....	.....	.....	.....	.....	1	0.07	0.63	0.10	65.52	59.00
Rajshahi ..	Panchbibi ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.31	0.11	70.90	51.00
	Banuloh ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.15	0.35	61.04	53.33
	Natore ..	.....	0.45	.....	.....	.....	.....	.....	1	0.45	0.30	0.35	58.63	55.16
	Nowong ..	0.30	.....	.....	.....	.....	.....	.....	1	0.30	0.11	?	68.94	?
Rajshahi ..	Lalpor ..	0.30	0.41	.....	.....	.....	.....	.....	2	0.71	1.00	?	60.58	?
	Menda ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.10	?	50.37	?
Maldah ..	Maldah ..	.....	.....	.....	.....	.....	.....	0.09	1	0.09	0.10	0.31	71.30	53.25
	Chanchal ..	.....	.....	.....	.....	.....	.....	0.05	1	0.05	0.12	0.20	51.73	53.02
	Gajni ..	0.12	.....	.....	.....	.....	.....	0.07	2	0.19	0.30	?	60.92	?
	Sibganj ..	1.05	.....	.....	.....	.....	.....	.....	1	1.05	1.47	?	64.13	?
Dinagore ..	Mohaddpore ..	0.55	.....	.....	.....	.....	.....	.....	1	0.55	1.01	0.04	77.43	55.15
	Churamon ..	.....	.....	.....	.....	.....	.....	0.02	1	0.02	0.07	Nil	64.07	50.57
	Maugunge ..	.....	.....	.....	.....	.....	.....	0.02	1	0.02	0.05	0.17	59.43	53.00
	Dinagore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.14	71.36	61.72
Dinagore ..	Balorhat ..	0.15	.....	.....	.....	.....	.....	.....	1	0.15	0.43	Nil	61.12	47.37
	Bhawanigunge ..	0.45	.....	.....	.....	.....	.....	.....	1	0.45	0.60	0.17	54.83	61.53
	(Opabanda) ..	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
	Bangpore ..	1.50	.....	.....	.....	.....	.....	.....	1	1.50	1.50	0.09	70.81	70.14
Dinagore ..	Kurigram ..	0.70	.....	.....	.....	.....	.....	.....	1	0.70	0.70	0.11	85.40	73.98
	Bagdoura ..	1.32	.....	.....	.....	.....	.....	0.08	2	1.40	1.49	0.07	80.45	83.93
	(Niphemari) ..	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
	Ulipore ..	0.34	.....	.....	.....	.....	.....	.....	1	0.34	0.59	?	72.16	?
Dinagore ..	Jalpaiguri ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.12	125.91	115.27
	Alipore Doar ..	0.46	.....	.....	.....	.....	.....	.....	1	0.46	0.46	?	135.73	?
	Kallacotta ..	0.11	.....	.....	.....	.....	.....	.....	1	0.11	0.11	?	97.84	?
	Debiganj ..	0.31	.....	.....	.....	.....	.....	.....	1	0.31	0.31	?	?	?
Dooch Behar ..	Dumatta ..	0.31	.....	.....	.....	.....	.....	.....	1	0.31	0.31	Nil	81.22	83.40
	Dooch Behar ..	0.15	.....	.....	.....	.....	.....	.....	1	0.15	0.15	0.10	100.81	115.61
	Mickligunge ..	0.15	.....	.....	.....	.....	.....	.....	1	0.15	0.15	Nil	114.34	104.81
	Matabhanga ..	0.10	.....	.....	.....	.....	.....	0.05	2	0.15	0.15	0.02	115.11	116.93
Dooch Behar ..	Busa ..	1.33	0.21	.....	.....	.....	.....	.....	2	1.54	2.03	0.29	223.93	191.40
	Siliguri ..	0.07	.....	.....	.....	.....	.....	.....	1	0.07	0.07	Nil	144.50	97.16
	Darjeeling ..	.....	0.00	0.00	.....	.....	.....	.....	2	0.00	0.24	0.19	114.69	103.00
	Kalimpong ..	.....	.....	0.11	.....	.....	.....	0.07	2	0.11	0.15	Nil	71.13	70.04
Dooch Behar ..	Kisongunge ..	0.40	.....	.....	.....	.....	.....	.....	2	0.80	0.80	0.11	105.73	90.00
	Arracah ..	1.34	.....	.....	.....	.....	.....	.....	1	1.34	1.34	0.11	89.41	61.33
	Purneah ..	.....	.....	.....	.....	.....	.....	.....	1	.....	0.11	0.11	80.90	53.20
	Gondwara ..	.....	.....	.....	.....	.....	.....	.....	1	.....	0.30	?	?	?
Dooch Behar ..	Halarumpore ..	.....	.....	.....	.....	.....	.....	.....	1	.....	0.21	?	75.04	?
	Narari ..	0.15	.....	.....	.....	.....	.....	.....	2	0.30	0.30	?	?	?
	Kataganj ..	.....	.....	.....	.....	.....	.....	.....	1	.....	0.10	0.23	87.00	49.30
	Masulpore ..	.....	.....	.....	.....	.....	0.07	0.03	2	0.10	0.31	0.13	80.43	49.03
Dooch Behar ..	Protaganj ..	.....	.....	.....	.....	.....	0.19	1.12	2	1.31	7.43	?	79.11	?
	Tajpore ..	.....	.....	.....	.....	.....	0.20	0.14	2	0.34	0.34	0.37	73.33	41.14
	Durhanga ..	.....	.....	.....	.....	.....	0.11	0.10	2	0.21	0.21	0.17	83.30	43.57
	Madhubani ..	.....	.....	.....	.....	.....	0.42	.....	1	0.42	0.42	0.28	80.41	6.13
Dooch Behar ..	Nahara ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	66.41	?
	Kachera ..	.....	.....	.....	.....	.....	0.19	.....	1	0.19	0.19	?	53.34	?
Dooch Behar ..	Bitamarhi ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.23	54.41	40.31
	Mosulpore ..	.....	.....	.....	.....	.....	0.16	0.12	2	0.28	0.44	0.23	60.43	43.30
	Majpore ..	.....	.....	.....	.....	.....	0.31	0.21	2	0.52	0.65	0.23	58.23	40.08
	Pura ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	40.00	?
Dooch Behar ..	Mukha ..	.....	.....	.....	.....	.....	0.20	.....	1	0.20	0.20	?	64.12	?
	Ambar ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	67.77	?
	Papri ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.10	?	50.00	?
	Mouhar ..	.....	.....	.....	.....	.....	0.04	0.02	2	0.06	0.06	0.25	62.43	49.74
Dooch Behar ..	British ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	62.25	47.40
	Rupah ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	62.25	47.40
	Barhara ..	.....	.....	.....	.....	.....	.....	0.04	1	0.04	0.04	?	47.80	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 14th of January 1887—cont.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 1st of month, 1886.	Average rain-fall from 1st of month.
			Saturday, 8th January.	Sunday, 9th January.	Monday, 10th January.	Tuesday, 11th January.	Wednesday, 12th January.	Thursday, 13th January.	Friday, 14th January.	Number of rainy days.	Rainfall in inch.				
NORTH BENGAL—continued.	Shahabad	Gopalgunge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	83.77	0.00
		Bawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	83.77	0.00
SOUTH BENGAL	Shahabad	Chunrah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	87.07	0.00
		Buzar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Dohra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Rhuroah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Basaram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Arrah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Mohania	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Aurangabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Gya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Nowadah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Johannabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Arwal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Daudnagar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Sherghati	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Rajauli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Pakri Barara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Patna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Dumra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Behar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Barri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Rickram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Hita	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Begowah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Monohar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Jamui	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Gogri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Shakhpura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Bhagulpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Bhagulpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Kolung	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Ramghat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Gudua	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Pasur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Nya Dooka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Dookur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Jhimsara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Simra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Amthal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Pachamta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		(Giridi)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Hazratnagar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Bemmagurua	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Amudi Hills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Jhoomrah Hills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Hura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Chitra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Arasdeha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Kamghar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Loharouga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Kanem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Panagow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Nila	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Hutamat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Hussanabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Gurkhab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Chyasmata	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Chakradhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Chakradhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Chaitilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Bharagura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Purulia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Gobindapore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Kaphunath	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Pure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Harrabhoon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Jhaida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Chas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00
		Chas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	86.70	0.00

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 18th January 1887.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 14TH OF JANUARY 1887.

At the end of the week ending Friday, 7th, as noted in last week's weather report, a slight, but extensive, cold weather depression had advanced from Central or Upper India, and was passing eastwards through the Province. This disturbance gave throughout the Province on Friday evening and Saturday a series of thunder-storms, which, in several of their features, resembled the nor'-wester storms of the hot weather months. The rainfall accompanying the disturbance was hence very unequally distributed, ranging in amount from zero up to an inch and a half. The storms in the Rungpore district gave severe hail showers, which are stated to have done much damage to the standing crops in some parts of the district.

The disturbance filled up or passed eastwards from East Bengal on Saturday evening. The barometer rose rapidly until the 12th or 13th; the temperature and humidity of the air decreased, and light westerly to northerly winds prevailed throughout the Province. The weather in Upper India appears to be unusually changeable at the present time. A second cold weather depression commenced to form in Northern Rajputana and the Punjab on the 12th. It was smaller and much less important than the previous cold weather disturbance. It caused a general and rapid fall of the barometer in Bengal, commencing on the 12th or 13th. It affected the weather throughout the Province in the usual manner, increasing the temperature and humidity and changing the direction and character of the winds. The depression apparently passed into Behar and Chutia Nagpur, to nearly the whole of which area it gave light to moderate rain. In parts of the Hazaribagh and Lohardugga districts, amounts varying from one to two inches were received. South Behar obtained an average rainfall of half an inch from the disturbance. The depression filled up on the 15th without passing into Bengal, when ordinary cold weather conditions were again established throughout the Province.

The barometer was much below its average height at the commencement of the week under review. It rose steadily until the 12th or 13th by amounts ranging from $\frac{1}{16}$ th of an inch at the coast stations to $\frac{1}{8}$ th of an inch at the Behar and North Bengal stations. It fell rather rapidly on the 13th and 14th, but was somewhat above its normal height at the end of the week. The mean pressure of the week was below its normal height, except in East Bengal, the eastern districts of South-West Bengal, and Chutia Nagpur. The deficiency varied from '01" at Berhampore to '04" at Calcutta and Purneah. The Darjeeling barometric observations (if correct) appear to indicate unusually low pressure over the hills to the north of Bengal, the deficiency at that station for the week exceeding a tenth of an inch.

Temperature has varied very considerably from the normal temperature of the period during the week. It was much above the average at the commencement of the week. The disappearance of the first depression of the week was followed by a rapid decline of temperature which continued until the 11th. The formation and existence of the second depression of the week was accompanied by the usual large increase in the temperature, more especially the night temperature. This caused a rise in the mean temperature on the 13th and 14th, varying from 2° to 6° in amount. The following table gives temperature data for eight representative stations:—

Table showing the excess or defect of the actual temperature from the normal for the week ending 14th January 1887.

	Normal mean maximum temperature for the week ending 14th January 1887.	Actual mean maximum temperature for the week ending 14th January 1887.	Variation of actual from normal.	Normal mean minimum temperature for the week ending 14th January 1887.	Actual mean minimum temperature for the week ending 14th January 1887.	Variation of actual from normal.	Normal mean daily temperature for the week ending 14th January 1887.	Actual mean daily temperature for the week ending 14th January 1887.	Variation of actual from normal.
Cuttack	83.9	83.8	+1.0	58.0	61.7	+3.8	71.4	73.8	+2.4
Calcutta	78.7	75.9	-2.8	55.2	55.0	-0.2	65.9	63.9	-2.0
Burdwan	77.9	77.7	-0.2	54.5	54.8	+0.3	66.2	66.1	-0.1
Dacca	77.0	76.9	-0.1	54.6	54.8	+0.2	65.8	65.4	-0.4
Purneah	76.1	76.1	0.0	48.0	50.6	+2.6	61.8	60.5	-1.3
Bankipore	71.9	71.1	-0.8	48.1	52.3	+4.2	60.0	61.0	+1.0
Hazaribagh	72.4	68.8	-3.6	40.3	51.0	+10.7	60.0	60.0	0.0
Darjeeling	66.6	60.3	-6.3	36.0	32.0	-4.0	41.6	36.7	-4.9

The two depressions of the past fortnight have given unusually heavy rain to the Province. The first disturbance gave rain to every district, with the exception of Pooree, Durbhunga, Chumparun, Sarun, and the greater part of Mozufferpore and North Bhagulpore. The second depression gave light to moderate rain in part of North Bengal (Maldah Dinagore, and the Darjeeling Hills), and to Behar and Chutia Nagpur. The rainfall was heaviest in parts of Hazaribagh and Lohardugga. It was general and very uniformly distributed over South Behar, which received an average of half an inch. North Bengal and South-West Bengal have each received an average rainfall of four-tenths of an inch since the first of the month, North and East Bengal five-tenths, South Behar nearly seven-tenths, and Chutia Nagpur eleven-tenths. The rainfall in these divisions is from two to ten times its normal amount for the period (1st to the 14th). The rainfall of Orissa for the same period was practically nil ('05 inch). The following districts which have received average amounts exceeding three-quarters of an inch represent the centres of heaviest rainfall during the two disturbances:—Noakhully (1.59 inches), Rungpore (1.08 inches), Hazaribagh, (1.22 inches), Lohardugga (1.25 inches), Gaya (1.84 inch), and Comillah (.82 inch).

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 14th of January 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st. of month.		Since 1st. of Jan. 1886.		
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.	
Orissa	86.4	51.5	80.3	61.8	71.1	+1.5	0.08	0.06	0	0.4	0.2	+0.2	0.28	0.11	01.04	55.30	
South-West Bengal	83.3	46.7	76.3	53.3	66.7	+0.2	0.25	0.10	+0.15	0.3	0.3	+0.0	0.20	0.10	40.25	51.73	
East Bengal	82.6	41.1	73.9	53.9	63.9	+0.9	0.42	0.07	+0.35	1.2	0.2	+1.0	0.08	0.21	80.50	74.00	
North Bengal	77.2	40.4	72.8	50.9	61.7	—	0.29	0.10	+0.19	0.9	0.2	+0.7	0.46	0.14	70.50	60.00	
North Bihar	76.0	42.9	71.1	51.7	61.4	-0.1	0.37	0.14	+0.23	1.5	0.3	+1.2	0.28	0.21	60.20	40.20	
South Bihar	77.4	44.9	71.9	52.5	62.3	+1.4	0.40	0.21	+0.19	1.7	0.3	+1.4	0.08	0.20	67.51	40.20	
Central Nepal	78.0	42.9	70.0	51.5	60.7	-0.7	0.60	0.10	+0.50	1.9	0.3	+1.6	1.14	0.13	53.12	40.70	

* Unrecorded not included.

METEOROLOGICAL OFFICE, BENGAL;
The 18th January 1887.

JOHN ELIOT,
Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 9th to 15th January 1887.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1887.		°	°	°	°	°	Inches.	°	%	Inches.
January	9th	64.5	73.9	18.0	55.9	55.6	.326	47.2	53	Nil.
"	10th	63.2	74.9	23.0	51.9	56.4	.360	49.9	63	"
"	11th	63.6	76.2	23.4	52.8	57.6	.397	52.6	68	"
"	12th	66.1	78.0	23.1	54.9	59.9	.435	55.0	67	"
"	13th	67.9	79.4	21.1	56.3	61.9	.458	56.4	70	"
"	14th	68.1	78.9	22.0	56.9	62.3	.513	59.7	80	"
"	15th	68.9	80.9	22.0	56.9	64.6	.563	61.9	78	"

The mean temperature of the seven days ... 65.8
The extreme variation of temperature ... 29.0
The maximum temperature ... 80.9

The mean relative humidity ... 68

The total fall of rain from 9th to 15th January 1887 ... Nil.

The mean temperature and humidity are obtained by applying to the mean of the 10th, 16th, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA,
The 17th January 1887.

HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from
9th to 15th January 1887.

Month.	Date.	Maximum temperature.	Number of hours of bright sunshine.	Mean pressure barometer at 55 Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1887.		°		Inches.	°	°		°	°	Inches.	°	%			Inches.	
Jan.	9th	127.5	9.7	29.981	64.0	72.0	14.7	57.3	57.5	0.393	52.3	67	N by E and NNW...	83	Nil	Clear, p.
"	10th	121.6	9.7	30.041	61.4	73.1	21.6	51.5	55.3	.361	50.0	69	NNE and Calm ...	35	"	Clear, p.
"	11th	124.4	9.5	.052	62.4	74.0	22.3	51.7	57.1	.399	52.7	72	NNE, NW and Calm	10	"	Clear, —, p.
"	12th	125.7	9.6	.058	64.2	76.2	21.5	54.7	58.6	.420	54.1	72	NE by N and NNE	61	"	Clear, —, p.
"	13th	129.6	9.7	.082	66.5	77.4	20.2	57.2	60.4	.448	55.9	70	NNE and NE by N	91	"	Clear, p.
"	14th	129.3	9.8	29.985	66.3	77.1	20.6	56.5	61.4	.482	57.0	76	NE by N and NW	74	"	Clear, p.
"	15th	129.9	9.7	.943	68.0	78.8	20.5	58.3	62.9	.508	59.4	74	NNW and WNW	87	"	Chiefly clear, —, p.

The mean pressure of the seven days	...	Inches.	30.013
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	...	30.027
The total number of hours of bright sunshine	...	Hours.	67.7
The maximum possible number of hours of sunshine	...	...	75.8
The mean temperature of the seven days	...	°	64.7
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	...	66.6
The extreme variation of temperature	...	...	27.3
The maximum temperature	...	...	78.8
The highest velocity of the wind in one hour	...	Miles.	11
		Lbs.	
The highest pressure of wind on one square foot	...	...	Not measureable.
		%	
The mean relative humidity	...	...	71
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	...	70
		Inches.	
The total fall of rain from 9th to 15th January 1887	...	...	Nil.
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	0.02
The total fall from 1st to 15th January 1887	...	...	1.26
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	0.11

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

= fog, = dew.

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 17th January 1887.

MEMORANDUM.

FROM the annexed table exhibiting the vital statistics of the principal Municipalities in Bengal for the week ending 1st January 1887, the following results have been gathered:—

1. That during the week in question births and deaths were recorded in the proportions, respectively, of 22.5 and 33.8 per 1,000 of population, as opposed to 26.7 and 39.7 per 1,000, respectively, during the preceding week ending 25th December, indicating a large reduction in the registration of both the events.

2. That these events were returned at the highest rates by the following Municipalities:—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Gya	...	36.2	Purneah	...	97.0
Bhagulpore	...	36.2	Burdwan	...	89.5
Monghyr	...	33.4	Beauleah	...	55.2
Beauleah	...	31.5	Suburbs of Calcutta	...	55.0
			Hughli	...	51.0
			Dacca	...	48.7
			Serampore	...	43.2
			Puri	...	4.0
			Narsingunge	...	41.4
			Bhagulpore	...	39.8
			Midnapore	...	37.3
			Chittagong	...	32.9
			Gya	...	31.4

3. That the principal recorded diseases proved fatal at the following rates in comparison with the rates of the preceding week:—

			Ratio per mille during the weeks ending—	
			1st January 1887.	25th December 1886.
Cholera	...	...	4.0	7.8
Small-pox	...	...	1	...
Fever	...	...	13.7	15.2
Bowel-complaints	...	...	6.3	6.4
Injury	...	...	2	2
Other causes	...	...	9.4	10.1

indicating mainly that there was a considerable decrease of mortality from cholera and fever, particularly from the former.

4. That while the mortality from small-pox and injury was nowhere large, the rest of the maladies above specified caused the greatest loss of life in the following Municipalities:—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Purneah	20.8	Purneah	58.9	Hughli	16.1	Gya	19.8
Narsingunge	16.5	Beauleah	55.2	Suburbs of Calcutta	13.9	Midnapore	18.6
Bhagulpore	10.9	Burdwan	35.1	Burdwan	10.7	Dacca	16.2
Dacca	8.4	Hughli	25.5	Dacca	10.4	Puri	14.7
Suburbs of Calcutta	7.2	Jessore	24.4			Suburbs of Calcutta	14.5
Burdwan	6.1	Serampore	21.6			Bhagulpore	14.5
Hughli	5.4	Monghyr	20.8			Serampore	11.8
Howrah	4.6					Durbhanga	11.8
						Chittagong	11.7

5. That the mortality according to Sex, Class and Age stood as follows:—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	32.8	Christians	30.4	Under 1 year	235.4
Females	34.8	Hindus	31.9	1 and under 5 years	42.7
Ratio of male deaths to every 100 female deaths	106	Mahomedans	38.5	5 " " 10 " "	20.2
				10 " " 15 " "	13.3
				15 " " 20 " "	20.4
				20 " " 30 " "	23.0
				30 " " 40 " "	21.2
				40 " " 50 " "	23.3
				50 " " 60 " "	40.2
				60 years and upwards	89.2

The 17th January 1887.

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

DISTRICTS	POPULATION.			BIRTHS.			MORTALITY ACCORDING TO—												Ratio of male deaths to every 100 female deaths.									
	NAMES OF MUNICIPAL- FALITIES.			NUMBER—			RATIO PER 1,000 OF POPULATION PER ANNUM.			DISEASE.						DEATHS FROM—												
										RATIO PER 1,000 OF POPULATION PER ANNUM.						DEATHS FROM—												
										RATIO PER 1,000 OF POPULATION PER ANNUM.						DEATHS FROM—												
	Males.	Females.	Total.	Males.	Females.	Total.	Cholera.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other causes.	All causes.	Cholera.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other causes.	All causes.	Ratio of deaths per annum in the previous week.	Males.	Females.	Remain.				
Bardwan	14,003	16,017	30,020	9	8	16	12.2	12.4	24.4	104	4	53	7	5	39	6.1	32.1	10.7	...	7.6	59.5	24.4	13	24	43.9	77.9	62	
Midnapore	16,247	19,853	36,100	12	6	18	18.6	9.3	27.9	206	...	11	1	12	24	...	17.0	1.5	...	18.6	37.2	26.3	15	9	46.1	29.1	106	
Hughli and Chinsurah	19,179	19,539	38,718	10	9	19	13.4	12.1	25.3	111	1	19	12	2	38	3.4	23.5	10.1	1.3	27	51.0	53.7	19	19	51.5	50.3	100	
Seorampore	13,559	19,997	33,556	2	2	4	3.9	23.5	27.5	16	2	11	3	0	22	3.9	21.0	5.9	...	11.4	43.2	64.9	11	11	42.2	44.2	100	
Uttarpara	3,046	2,464	5,510	1	...	1	9.4	...	9.4	...	...	...	...	...	...	...	...	...	...	...	...	24.3	...	...	...	...	...
Howrah	59,153	37,666	96,819	25	20	45	14.3	11.4	25.7	125	8	13	7	12	40	4.6	7.4	1.9	...	6.3	22.4	33.8	17	23	10.6	31.8	73	
Bali	7,430	6,979	14,411	4	3	7	14.0	10.5	24.6	123	3	2	1	...	6	10.5	7.0	3.4	...	...	21.0	38.5	1	5	6.6	37.3	20
Suburbs of Calcutta	167,393	104,391	271,784	63	51	114	13.0	16.5	29.6	123	35	91	67	70	200	7.2	18.8	13.9	10	14.5	55.0	6.39	140	117	52.6	58.4	137	
Kinrughur	13,463	14,214	27,677	7	8	15	13.2	5.6	18.9	234	...	4	...	1	6	...	7.5	...	1.9	...	14.5	59.7	2	4	7.8	14.6	80	
Ranaghat	4,628	4,653	9,281	1	...	1	2	...	8.0	6.0	12.9	18.9	...	2	...	22.4	No male deaths.
Seoripore	13,704	15,979	29,683	2	2	4	3.6	3.5	7.0	100	3	2	...	...	5	5.2	3.5	...	...	...	8.7	21.9	3	2	11.4	6.5	140
Jessore	4,839	3,966	8,805	4	4	...	24.1	24.4	24.4	3	1	32.3	14.2	500
Rampore Beaulah	10,799	9,025	19,824	4	4	12	21.0	19.5	31.5	309	...	21	...	...	21	...	32.2	...	...	...	...	42.0	11	10	53.1	57.0	110
Darjiling	8,629	2,947	7,976	1	...	2	3	...	6.5	19.0	19.5	13.9	2	1	20.6	17.6	200
Deca	42,742	37,371	80,113	22	13	35	14.2	8.1	22.7	165	13	20	16	25	75	5.4	13.6	10.4	...	18.2	65.7	44.1	39	39	47.4	50.1	106	
Narainganj	7,605	4,856	12,461	2	3	5	8.3	12.4	20.7	60	4	2	2	2	19	16.5	9.3	8.3	...	8.3	41.4	129.1	8	2	54.8	21.0	40	
Chittagong	13,400	8,790	22,190	6	7	12	11.7	16.4	28.2	71	...	5	4	6	16	...	11.7	3.4	...	11.7	32.9	2.3	4	10	13.0	59.2	40	
Comillah	...	...	...	1	5	6	15.4	3.8	19.2	406	1	4	...	2	7	3.8	16.4	...	...	7.7	27.0	53.1	4	3	25.5	29.1	135
Patna City	78,702	81,175	159,877	24	24	48	11.0	7.8	18.8	141	4	27	9	17	57	1.3	8.8	2.9	...	5.5	18.5	59.0	39	17	19.8	17.2	111	
Gya	34,460	37,841	72,301	27	24	51	18.4	17.8	36.2	108	...	11	2	1	29	4.6	7.6	3.1	...	19.9	51.4	38.2	22	24	29.9	35.6	91	
Shahabad	2,359	22,205	24,564	4	3	7	4.4	3.0	8.1	131	...	...	...	...	...	...	...	...	...	...	...	1.2	...	...	...	...	...
Monrotpore	28,084	19,078	47,162	2	2	4	12.6	11.0	23.6	294	1	7	7	1	16	1.2	8.6	8.6	...	1.2	19.5	23.1	11	2	11.5	5.1	700	
Darbhanga	89,774	82,323	172,097	16	11	27	12.6	11.0	23.6	114	1	8	5	15	31	8	6.1	3.9	...	11.8	24.4	54.3	11	17	21.6	26.7	63	
Sarun	36,041	27,295	63,336	8	5	13	7.8	4.9	12.7	109	...	1	2	2	6	...	1.0	1.9	...	1.9	4.9	15.6	2	3	4.0	5.7	61	
Bhagalpur	26,640	27,413	54,053	19	21	40	17.2	19.9	37.2	96	12	10	6	16	41	10.9	9.0	5.4	...	11.5	39.9	49.8	24	20	52.1	37.4	140	
Monohar	24,154	29,946	54,099	23	14	37	20.8	17.6	38.1	104	...	23	3	4	30	...	30.8	2.7	...	3.6	27.1	26.2	11	19	29.3	33.6	57	
Purneah	8,463	6,651	15,114	3	4	7	19.1	13.9	24.2	75	6	17	1	3	29	20.8	63.9	3.4	...	10.4	47.0	51.0	12	16	73.6	136.8	75	
Puri	13,247	11,357	24,604	6	4	10	10.5	8.4	18.0	125	1	9	3	7	11	2.1	15.9	6.3	...	14.7	43.0	59.1	12	9	17.1	29.1	150	
TOTAL	702,960	619,091	1,322,051	310	257	567	15.4	10.1	25.6	122	102	3	348	101	6	869	4.0	13.7	6.3	3	9.4	83.6	59.7	444	415	33.9	31.3	106

^c A special census of the four years in the Pacific Municipality was recently taken, as far as consists of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the "emancipated" Indians, as it was called to designate them, The natives have correspondingly been calculated on the revised population under all heads in the above table, except "age," the ratios under which have been omitted, inasmuch as the results of the European census, as now obtained, can be so projected as to be employed as a basis of calculation giving to the results of the natives under that head not having been recorded under the authorial form of age classification.

[illegible]

PUBLIC WORKS DEPARTMENT, BENGAL

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1886-87.

Area leased for Irrigation up to end of November 1886.

CIRCLE.	DISTRICT.	CANAL.	Esti- mated full dis- charge.	Average discharge in month.	C. ft. 1.32	Approx- imate area of land irrigated during the year up to the end of the month.	Five years, all crops.	Five years, kharif.	ANNUAL LEASES.						RAINFALL.		REMARKS.		
									Khar. reel.	Rabbee. canal.	Sugar- canal.	H-a weather.	T. tal.	Grand total.	During month.	Up to end of month.		During month.	Up to end of month.
ORISSA.	Cuttack.	Talanda, 1st Reach.	1,342	155	1.32	4,249	3,813	3,976	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inch.	Inch.	Discharge observations into canal dis- continued as on most days water was flowing out of the canal.		
		Talanda, 2nd Reach.	506	...	...	...	...	...	...	...	...	...	...	...	...	...
		Machrouk	776	24	...	17,377	15,220	18,010	...	7	...	...	...	...	...	...
		Kendrapara	1,240	159	...	21,522	20,412	21,117	86	2,275	41	...	...	...	...	...
		Patnamoodee	1,042	307	...	6,004	7,377	8,089	...	1	...	...	...	...	...	...
		Gobri	372-92	57-13	...	591	522	...	...	...	...	...	...	...	...	...
		High Level, Range I.	675	...	...	13,411	13,363	13,400	...	12	...	...	...	...	...	...
		High Level, Range II.	727-16	90-33	...	407	285	356	43	...	...	...	...	...	...	...
		High Level, Range III.	727-14	...	...	5,982	6,436	5,708	...	84	...	...	...	...	...	...
		Total	...	...	...	70,744	74,178	82,523	86	2,479	141	...	...	...	...	...
MIDNAPORE.	Midnapore.	Total of the corresponding period of last year.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Midnapore	1,111	68	120	61,616	61,775	62,123	...	...	...	...	...	...	...	...
		Howrah	622	11	...	6,701	6,870	6,870	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SHAHABAD.	Shahabad.	Total of the corresponding period of last year.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Shahabad	4,312	1,259	...	18,541	18,541	18,541	...	...	...	...	...	...	...	...
		Patnamoodee	1,223	331	...	5,112	5,112	5,112	...	...	...	...	...	...	...	...
		Patnamoodee	1,000	831	...	12,112	12,112	12,112	...	...	...	...	...	...	...	...
		Patnamoodee	1,405	575	...	1,112	1,112	1,112	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SHAHABAD.	Shahabad.	Total of the corresponding period of last year.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Shahabad	4,312	1,259	...	18,541	18,541	18,541	...	...	...	...	...	...	...	...
		Patnamoodee	1,223	331	...	5,112	5,112	5,112	...	...	...	...	...	...	...	...
		Patnamoodee	1,000	831	...	12,112	12,112	12,112	...	...	...	...	...	...	...	...
		Patnamoodee	1,405	575	...	1,112	1,112	1,112	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patnamoodee	...	...	...	...	...	...	...	...	...	...	...	...	...	...

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.
SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing quantities of Goods carried during the month of November 1886.

Number of boats or rafts.	Description.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
500	1. Grain ...	206	5,733	5,939	3,18,851	5,939	3,18,851
2	2. Cotton ...	.....	1	1	438	1	438
201	3. Oilseeds ...	100	2,335	2,335	1,99,121	2,335	1,99,121
597	4. Salt ...	5,264	15	5,279	4,43,036	5,279	4,43,036
4	5. Piece-goods ...	1	.....	1	5,750	1	5,750
20	6. Metal ...	85	16	101	53,368-8	101	53,368-8
27	7. Building materials ...	162	98	260	4,622	260	4,622
1,247	8. Miscellaneous ...	1,707	9,774	11,481	15,86,452-8	11,481	15,86,452-8
74	9. Fuel ...	564	190	754	7,945	754	7,945
2 rafts	10. Timber ...	130 c. ft.	273 c. ft.	403 c. ft.	1,160	403 c. ft.	1,160
14 "	11. Bamboos ...	.....	7,286 "	7,286 "	676	7,286 "	676
2,672 & 16 rafts.	12. Total ...	8,089 & 130 c. ft.	18,062 & 7,559 c. ft.	26,151 & 7,689 c. ft.	26,21,420	26,151 & 7,689 c. ft.	26,21,420
5,505	13. Total of same month last year ...			23,351	24,01,860	23,351	24,01,860
		Up.	Down.	Total.			
14.	Total number of boats plying cargo No.	1,083	1,589	2,672	Total tollage of month—		
14a.	Empty boats and steamers	412	392	804	24+25+26 ...		
15.	Total number of boats plying passenger No.	1,158	1,477	2,635	Total tollage of same month last year ...		
16.	Total registered tonnage, cargo	4,28,703	4,87,631	9,16,334			
17.	Total registered tonnage, passenger	650	312	962	<i>Memorandum of Tollage.</i>		
18.	Ton mileage	.....	.....	.....
19.	Estimated value of cargo	9,31,995	16,87,589	26,19,584	1. Balance not recovered on the 1st of the month ...		
20.	Number of passengers	5,927	10,065	15,992	2,470 9		
21.	Rafts bamboos c. ft.	.....	7,286	7,286	2. Tollage per month ...		
22.	Do. bullocks "	130	273	403			
23.	Estimated value of rafts	340	1,496	1,836			
24.	Tollage on boats Rs.	5,643-12-0	9,158-4-0	14,802-0-0	3. Total ...		
25.	Compounded tollage on boats Rs.	.....	.....	.....	4. Amount paid into treasury during the month ...		
26.	Tollage on rafts "	3-6-0	26-5-0	29-11-0	16,766 4		
27.	Total tollage on boats per to 5-mile	.....	.....	.....
28.	Ditto on rafts per 100 c. ft	.....	.....	.....	5. Balance due at the end of the month ...		

Calcutta,
 14th January 1887. }

A. D. McARTHUR, Major, R.E.,
 Under-Secretary to the Government of Bengal

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing quantities of Goods carried during the month of November 1886

No. of Boats	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
333	1. Grain ...	4,463	4,463	3,69,650	4,463	3,69,650	For details see next page.
22	2. Cotton ...	.....	.....	.....	.....	.....	.....
442	3. Oilseeds ...	424	.....	424	38,594	424	38,594
	4. Salt ...	521	6,722	7,243	6,08,463	7,243	6,08,463	
	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
9	6. Metal ...	16	37	53	13,170	53	13,170	
85	7. Building materials ...	2,728	39	2,767	9,070	2,767	9,070	
603	8. Miscellaneous* ...	23,340	623	23,963	23,98,348	23,963	23,98,348	
731	9. Fuel ...	13,019	2,731	15,750	1,32,071	15,750	1,32,071	
	10. Timber ...	.....	.....	.....	.....	.....	.....
Rafts	11. Bamboos ...	1,561 No.	.....	1,561 No.	195	1,561 No.	195
16 & Rafts	12. Total ...	44,511 & 1,561 No.	10,152	54,663 & 1,561 No.	35,69,561	54,663 & 1,561 No.	35,69,561	
112	13. Total of same month last year	54,692	35,19,745	54,692	35,19,745	

	Up.	Down.	Total.	Rs. A. P.
Total number of boats plying cargo ... No.	3,744	571	4,315	Total tollage of month— 24 + 25 + 26 ... 32,816 8 6
Empty boats ...	.....	.....	2,491	Total tollage of same month last year ... 37,329 12 0
Total number of boats plying passenger ... No.	303	2	305	
Total registered tonnage, cargo ...	1,16,754	22,946	1,39,700	Memorandum of Tollage.
Total registered tonnage, passenger ...	14,675	150	14,825	
Non-mileage ...	.....	.....	.....	Rs. A. P.
Estimated value of cargo ...	28,89,198	6,80,173	35,69,366	1. Balance not recovered on the 1st of the month ... 2,076 12 9
Number of passengers ...	1,054	1	1,055	2. Tollage per month ... 32,816 8 6
Rafts, bamboos o. ft.	1,561	.....	1,561	3. Total ... 34,893 5 3
Do, bullahs "	.....	.....	.....
Estimated value of rafts ...	195	.....	195	
Tollage on boats Rs.	27,196-14-6	5,615-13-0	32,812-11-6	4. Amount paid into trea- sury during the month ... 33,620 13 0
Compounded tollage on boats Rs.	.....	.....	.....
Tollage on rafts "	3-13-0	.....	3-13-0	
11 tollage on boats per 100 tons ...	.....	.....	.....
11 tollage on rafts per 100 o. ft. ...	.....	.....	.....	5. Balance due at the end of the month ... 1,272 8 3

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS),
CALCUTTA AND EASTERN CANALS.

Number of boats or rafts.	Description.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.	
		Quantity—Tons.			Value.	Quantity.	Value.
		Up.	Down.	Total.	Rupces.	Tons.	Rupces.
875	(a) Jute ...	17,800	.....	17,800	17,44,445	17,800	17,44,445
58	(b) Jaggery ...	473	.....	473	53,009	473	53,009
18	(c) Sugar ...	92	.....	92	19,425	92	19,425
9	(d) Tobacco ..	.....	23	23	3,265	23	3,265
810	(e) Fish ..	132	.. ..	132	36,936	132	36,936
13	(f) Hides ...	6	.....	6	1,310	6	1,310
57	(g) Poultry ...	18	.....	18	7,566	18	7,566
68	(h) Hay and straw ...	328	.....	328	5,745	328	5,745
38	(i) Oils ...	.....	594	594	83,265	594	83,265
37	(k) Earthenware ...	62	.....	62	871	62	871
710	(m) Other miscellaneous	4,429	6	4,435	4,42,520	4,435	4,42,520
2,693	Total Miscellaneous...	23,340	623	23,963	23,98,348	23,963	23,98,348

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.
SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing quantities of Goods carried during the month of November 1886.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.			REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
1,773	1. Grain ...	4,260	4,260	3,08,401	4,260	3,08,401	* For details, see next page.
6	2. Cotton ...	13	.....	13	7,030	13	7,030
7	3. Oilseeds ...	5	88	93	8,450	93	8,450	
70	4. Salt ...	452	423	875	73,500	875	73,500	
1	5. Piece-goods ...	.....	1	1	1,500	1	1,500
2	6. Metal ...	18	5	23	2,031	23	2,031	
368	7. Building materials ...	2,638	33	2,671	15,675	2,671	15,675	
1,217	8. Miscellaneous* ...	2,737	106	2,843	2,92,335	2,843	2,92,335	
243	9. Fuel ...	2,579	32	2,611	22,548	2,611	22,548	
3 rafts	10. Timber ...	9 No.	.....	9 No.	360	9 No.	360
7 "	11. Bamboos ...	435 "	.....	435 "	54	435 "	54
3,690 & 10 rafts	12. Total ...	12,702 & 444 No.	688	13,390 & 444 No.	7,31,884	13,390 & 444 No.	7,31,884	
5,797	13. Total of same month last year.			21,746	7,27,573	21,746	7,27,573	

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats plying cargo No.	3,602	88	3,690	Total tollage of month— 24 + 25 + 26	8,633 7 6
14A. Empty boats	.....	.....	1,588		
15. Total number of boats plying passenger No.	787	24	811	Total tollage of same month last year	7,755 15 6
16. Total registered tonnage, cargo	46,486	3 791	50,277	<i>Memorandum of Tollage.</i>	
17. Total registered tonnage, passenger	27,125	2,775	29,900		
18. Ton-mileage	.....	.....	.....		Rs. A. P.
19. Estimated value of cargo	6,78,678	52,792	7,31,470	1. Balance not recovered on the 1st of the month	481 12 3
20. Number of passengers	6,51	162	6,678	2. Tollage per month	8,633 7 6
21. Rafts, bamboos o ft.	435	.....	435		
22. Do., bullocks "	.....	.....	.....	3. Total	9,115 3 9
23. Estimated value of rafts	414	.....	414		
24. Tollage on boats Ra.	7,698-11-0	931-4-6	8,629-15-6	4. Amount paid into treasury during the month	8,738 15 3
25. Compounded tollage on boats Ra.	.....	.....	.....
26. Tollage on rafts "	3-8-0	.....	3-8-0		
27. Total tollage on boats per ton-mile	.....	.....	.....
28. Ditto on rafts per 100 cubic feet	.....	.....	.....	5. Balance due at the end of the month	376 4 9

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS),

TOLLY'S NULLAH.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupers.	Tons.	Rupers.	
8	(a) Jute ..	139	.....	139	13,622	139	13,622	
97	(b) Jaggery ...	533	.....	533	59,784	533	59,784	
1	(c) Sugar ...	.....	9	9	1,875	9	1,875	
18	(d) Tobacco ...	113	20	133	28,125	133	28,125	
137	(e) Fish ...	10	2	12	3,364	12	3,364	
.....	(f) Hides ...	.....	.....	.....	.....	.....	.....
8	(g) Poultry ...	.....	1	1	375	1	375	
400	(h) Hay and straw	845	.....	845	22,178	845	22,178	
57	(i) Oils ...	119	27	146	20,525	146	20,525	
112	(k) Earthenware ...	98	6	104	1,376	104	1,376	
384	(m) Other miscellaneous.	880	41	921	1,41,111	921	41,111	
1,217	Total Miscellaneous ...	2,737	106	2,843	2,92,335	2,843	2,92,335	

**ABSTRACT FOR THE MONTH OF NOVEMBER 1886 AS COMPARED WITH THE
CORRESPONDING MONTH OF THE PREVIOUS YEAR.**

	TRAFFIC, 1886-87.			TRAFFIC, 1885-86.		
	During the month.		To end of the month.	During the month.		To end of the month.
	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals ...	32,816	8	6	1,82,096	3	3
Tolly's Nullah ...	8,633	7	6	56,668	10	3
Total ...	41,450	0	0	2,38,764	13	6

Calcutta,
The 18th January 1887.

A. D. McARTHUR, Major, R. E.,
Under-Secretary to the Government of Bengal

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 15th January 1887,
compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 15TH JANUARY 1887.			WEEK ENDING SATURDAY, THE 16TH JANUARY 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	1,612	2,80,771	4,951	1,755	3,30,425	5,846
Jute ...	116	56,450	1,262	144	92,225	1,865
Firewood ...	136	66,300	1,008	167	76,125	995
Other articles ...	989	2,58,395	4,144	972	1,89,953	2,748
Total ...	2,853	6,61,916	11,365	3,038	6,88,728	11,254

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 4 weeks ended 21st November 1886, as compared with the same period of 1885.

STAPLES.	1886.		1885.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
ANIMALS, LIVING,								
FOR SALE.								
Horses, ponies, and mules	No. 527	7,154	206	3,701	201	3,573	14	243
Cattle	44	182	78	876	1,056	3,082	462	425
Sheep and goats	4,763	3,997	2,807	1,945	1,956	3,082	462	425
Other kinds	468	340	940	771	13	9	18	16
ROBES								
Canes and rattans	145	345	303	4	1	1	18	16
Gauchole (India-rubber)	3	5	76	119	1	1	18	16
Chinese and Japanese wares	89	163	76	119	1	1	18	16
Coal and coke, up	5,80,811	2,91,507	4,87,571	1,09,707	93,240	21,540	18	16
Do., down	15,07,030	2,18,820	16,00,870	2,02,150	37,000	9,070	18	16
Cotton, raw	2,75,033	2,24,282	1,10,882	1,18,123	1,64,151	1,11,159	18	16
Twist and yarn (European)	7,035	9,407	14,394	4,459	322	180	18	16
Do., (Indian)	15,208	9,967	2,12,000	2,45,858	60,530	26,047	18	16
COTTON, MANU-FACTURED.								
Piece-goods (European)	1,42,751	1,50,751	34,903	57,024	3,370	2,667	18	16
Do., (Indian)	31,533	23,553	813	321	54	45	18	16
DRUGS AND MEDICINES.								
Asafoetida	807	536	925	1,371	125	285	180	163
Other sorts, not intoxicating	1,051	1,555	951	1,371	125	285	180	163
Intoxicating drugs (other than opium, i.e., arsenic, bluing, gonia, and churus, &c.)	771	357	890	1,371	125	285	180	163
DYEING MATERIALS.								
Indigo	20,077	62,005	30,537	55,908	6,637	1,450	79	18
Madder or manjil	17	28	46	45	110	81	79	18
Safflower	475	223	359	202	116	81	79	18
Turnerie	9,439	9,495	7,642	7,642	1,807	1,807	1,838	1,074
Other kinds	3,239	1,808	4,875	8,782	8	17	447	15,378
Kerthenware and porcelain								
Do., raw	811	1,674	805	1,557	8	17	447	15,378
Do., manufactured (gunny bags and cloths)	7,595	3,499	7,235	3,885	360	125	180	163
FIBROUS PRODUCTS.								
Do., manufactured (gunny bags and cloths)	63,247	29,540	75,472	44,147	12,225	15,378	180	163
Other fibres, raw	22,810	22,218	1,440	245	21,361	21,973	180	163
Do., manufactured	3,031	1,411	1,754	661	1,277	752	180	163
FRUITS & NUTS								
Cocoanuts	42,483	41,280	45,780	38,500	2,703	3,303	180	163
All other kinds	6,44,843	1,50,708	6,11,014	1,50,818	32,800	5,930	180	163
GRAIN & PULSES								
Wheat	2,48,020	67,787	2,13,106	80,827	34,914	4,080	180	163
Gram and pulses	5,42,143	90,667	4,62,763	72,287	79,380	24,570	180	163
Rice, husked	22,016	4,967	25,050	5,177	3,034	4,400	180	163
Do., unhusked	1,71,364	34,440	1,00,151	30,449	71,213	24,800	180	163
Other rain and spring crops	5,35	3,200	5,432	3,322	187	104	180	163
Gums and resins								
Hides of cattle	74,315	47,808	94,071	51,063	19,756	3,705	180	163
Skins of sheep, goats, and small animals	11,641	6,250	14,070	7,013	2,429	1,303	180	163
Horns								
Do.	1,988	910	1,025	1,461	107	187	180	163
LAC								
Do. dye	837	415	883	307	156	108	180	163
Do. shell	14,225	10,134	19,470	13,303	5,245	4,231	180	163
Do. stick and other kinds	21,300	5,182	16,085	4,371	5,215	811	180	163
LEATHER								
Do., unmanufactured	1,623	2,197	1,089	3,100	511	477	180	163
Do., manufactured	3,842	5,710	3,167	4,012	675	507	180	163
Liquors								
Do.	21,607	22,513	24,232	18,611	4,002	2,668	180	163
METALS AND MANUFACTURES OF								
Brass and copper	31,791	23,405	33,429	32,558	1,662	1,068	180	163
Iron	61,035	38,500	61,194	41,063	1,159	659	180	163
Other metals	11,814	8,682	10,705	10,100	1,114	1,679	180	163
Oil								
Do.	30,004	18,445	18,031	13,204	11,973	20,175	180	163
Opium								
Do.	16,092	14,082	30,267	40,047	14,155	35,055	180	163
Paints and colours								
Do.	2,175	2,301	2,130	2,277	45	27	180	163
PROVISIONS								
Do.	22,361	10,277	15,500	10,557	6,861	8,720	180	163
Railway materials								
Construction Account	1,02,795	5,945	2,21,538	6,512	1,18,743	60,522	180	163
Do., Foreign	1,70,630	1,12,095	10,749	52,476	1,59,881	60,522	180	163
Salt								
Do.	6,84,819	1,41,070	5,55,323	1,39,717	1,29,496	2,363	180	163
SALTPETRE, &c.								
Do.	55,403	22,774	61,455	26,805	6,052	8,032	180	163
SEEDS								
Oil-seeds	10,350	1,355	21,311	4,208	10,961	10,071	180	163
Other subse substances	3,43,030	89,785	3,01,400	95,015	41,630	5,760	180	163
Linseed	1,3,404	30,422	75,354	18,502	47,950	11,950	180	163
Mustard and rape	16,710	4,350	16,320	3,040	390	410	180	163
Oil or sinjelly	1,24,701	34,460	91,831	28,240	32,870	6,220	180	163
Other oil-seeds	9,748	3,338	1,718	688	8,030	2,530	180	163
OTHER SEEDS								
Indigo seed	127	113	131	131	4	110	180	163
Tea seed	37,249	10,225	20,929	10,835	7,320	114	180	163
Other kinds	1,631	1,068	1,356	1,554	275	114	180	163
SILK								
Silk, raw	516	546	622	854	108	308	180	163
Do., manufactured (European)	15	3	11	115	100	113	180	163
Do., ditto (Indian)	10,025	7,304	16,329	9,436	6,304	2,130	180	163
Spices								
Do.	53,753	9,937	40,002	14,037	13,751	3,900	180	163
Stone and marble								
Do., unrefined	71,231	21,358	82,385	24,116	11,154	3,754	180	163
SUGAR								
Super, refined	1,01,539	25,780	78,835	32,317	22,704	9,463	180	163
Do., Indian	5,110	3,800	4,113	3,117	997	921	180	163
Do., Foreign	40	8	318	17	278	9	180	163
TEA								
Do.	37,338	14,567	24,001	11,022	13,337	2,545	180	163
Tobacco								
Do.	18,026	3,767	18,583	4,118	557	346	180	163
WOOD								
Timber	22,768	1,222	13,912	876	8,856	336	180	163
Firewood	1,600	1,010	1,851	1,453	251	443	180	163
Do., raw	3,805	6,020	2,219	5,603	1,586	417	180	163
Do., manufactured (European)	3,621	4,099	5,323	6,907	1,706	1,098	180	163
Do., manufactured (Indian)	10	18	10	18	10	18	180	163
All other articles of merchandise								
Do.	2,78,190	2,09,740	2,75,426	2,23,402	3,034	7,907	180	163
Government stores								
Do.	18,178	19,092	29,135	41,702	7,967	21,710	180	163
Minerals								
Do.	44,000	7,220	68,463	12,128	24,463	5,908	180	163
Total								
	71,80,840	24,43,700	65,98,618	23,95,041	8,78,089	3,10,450	2,96,670	2,70,783

N. ST. L. CARTER,
Traffic Manager.

TRAFFIC MANAGER'S OFFICE, JAMALPUR, the 14th January 1887.

*General remarks on the fluctuation of principal staples carried over the East Indian Railway
during four weeks ended 27th November 1886.*

INCREASES.

Coal and coke.—There was an increase in both the down ward and upward traffic; the former due to a better demand in Calcutta for local consumption, and the upward to larger indents from Foreign Railways.

Cotton.—A satisfactory crop with good demand for export, attended by a firm market, are the reasons which may be assigned for the large increase in this staple.

Wheat.—This small increase was owing to a brisk market at Calcutta attended with steady prices.

Rice (husked and unhusked).—This increase is attributable to better prices ruling in the market than during the corresponding period of 1885.

Railway material, Foreign.—Increased despatches to Benares and to Cawnpore account for the improvement under this head.

Salt.—There was a large increase in the weight carried of this staple attended with a small increase in earnings owing to competition.

Seeds.—This increase is assignable to larger stocks and a slightly better demand this season than in 1885.

Tobacco.—The increase in this commodity may be attributed to ordinary fluctuation of trade.

DECREASES.

Piece-goods.—An almost total want of demand from the distributing markets in the mofussil accounts for the heavy decrease in this staple.

Gram and pulses.—Plentiful crops all over the country must be assigned as the reason for this decrease.

Gunny.—The falling off under this head may be ascribed to competition.

Hides and skins.—This decrease is attributable to short stock, the Calcutta market having been very favourable, but supplies scarce.

Brass and copper.—The decrease in these metals was also due to competition.

Opium.—No special reason can be assigned for the decrease in this Government monopoly.

Sugar.—There was an increase in weight carried attended with a decrease in receipts which is attributable to fluctuation of traffic in respect of long distances.

Government Stores.—The falling off in these stores is due to decreased despatches from Government depôts.

N. ST. L. CARTER, Traffic Manager.

TRAFFIC MANAGER'S OFFICE, JAMALPUR, the 14th January 1887.

Nalhati State Railway.

Statement showing Increases and Decreases in tonnage of Staples carried over the line during the month of December 1886, as compared with the corresponding period of December 1885.

STAPLES	1885.		1886.		1885.	1886.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		
Coal	716	.....	680	.....	716	680	30	26
Cotton, raw	11	.....	44	.....	14	44	.....	.....
Cotton twist and yarn—								
2.—Indian	.....	.....	1	.....	.....	1	1	.....
Cotton piece-goods—								
1.—European	.....	.....	32	1	37	35	.....	3
2.—Indian	37	.....	.....	.....	.....	1	.....	.....
Dyes and tans—								
1.—Indigo	.....	.....	.....	4	.....	4	4	.....
Grains—								
2.—Rice	.....	.....	2	1,200	300	1,201	981	.....
3.—Others	80	220	2	.....	.....	30	.....	.....
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	.....	.....	.....	2	.....	2	2	.....
b.—Undressed	.....	.....	.....	1	.....	1	1	.....
Jute—								
1.—Raw	.....	.....	.....	8	.....	8	8	.....
2.—Gunny-bags and cloth	.....	.....	37	.....	.....	41	41	.....
Leather, manufactured	.....	.....	5	.....	.....	5	5	.....
Liquors—								
1.—Beer	.....	.....	2	.....	.....	2	2	.....
2.—Wines	.....	.....	2	.....	.....	2	2	.....
Metals—								
2.—Iron	.....	.....	1	.....	.....	4	4	.....
4.—Others	8	5	5	1	13	6	.....	7
Oils—								
2.—Kerosine	.....	.....	3	.....	.....	3	3	.....
Oilseeds—								
2.—Mustard and rape	.....	.....	18	.....	6	18	14	.....
3.—Others	.....	.....	2	.....	.....	2	.....	.....
Paper and pasteboard	.....	.....	1	.....	.....	1	1	.....
Provisions—								
1.—Ghee	.....	.....	0	.....	.....	0	0	.....
2.—Dried fruits and nuts	.....	.....	3	.....	.....	3	3	.....
3.—Others	.....	.....	55	1	.....	56	56	.....
Railway plant and rolling-stock	14	1	6	.....	11	6	.....	8
Salt	11	.....	22	.....	11	22	11	.....
Silk, raw—								
2.—Indian	27	10	50	15	40	74	28	.....
Silk piece-goods—								
2.—Indian	.....	.....	1	5	.....	6	6	.....
Sugar—								
1.—Drained	.....	.....	15	.....	0	15	15	.....
2.—Undrained	0	.....	0	.....	.....	0	.....	.....
Timber	.....	.....	1	.....	.....	1	1	.....
All other merchandise	157	48	34	1	205	45	.....	156
Tobacco	.....	.....	.....	.....	.....	5	5	.....
Total	1,055	22	1,090	1,327	1,880	2,417	1,247	192

INCREASE.

Tons.

Provision—	
(1) Ghee	9
The increase in this staple is due to larger quantity of import during the month for larger demands.	
(3) Others	56
The increase in this staple is due to larger quantity of import during the month for larger demands.	
Salt	11
This increase is due to salt being imported by retail vendors to intermediate stations.	
Silk, raw—	
(2) Indian	28
The increase in this staple is due to tussar cocoons being imported from Burrakur.	
Silk piece-goods—	
(2) Indian	6
This increase is due to this staple being included under silk, raw, last year.	
Sugar	15
This increase is due to greater demand.	
Twine	6
This increase is due to larger quantity imported this year.	

DECREASE.

Tons.

Coal	26
This decrease is due to greater demand of coal for brick-burning last year.	
Railway plant and rolling-stock	8
This decrease is due to less materials carried during the month.	
All other merchandise	156
This decrease is due to some of the staples included under this head last year, but shown separately this year.	

NALHATI, the 14th January 1887.

B. G. MOOKERJEE, Manager.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 1,515 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	232,168	2,73,678 0 0	31,95,539 0	7,84,997 11 6	21,396 5 0	10,79,172 6 6	74,919	121,045	195,964
Or per mile of railway ...	...	180 10 4	...	517 8 11	11 1 11	712 5 2	...	...	...
For previous weeks of half-year ...	...	...	...	...	...	...	...	...	...
Total for 8 days ...	232,168	2,73,678 0 0	31,95,539 0	7,84,997 11 6	21,396 5 0	10,79,172 6 6	74,919	121,045	195,964
COMPARISON.									
Total for corresponding 9 days of previous year ...	253,602	3,07,040 10 11	33,22,017 30	8,79,927 12 3	26,449 13 6	12,13,109 4 8	83,547	138,845	222,392
Per mile of railway corresponding period of previous year ...	...	202 10 8	...	580 9 10	17 7 3	800 11 9	...	...	...
Total to corresponding date of previous year ...	253,602	3,07,040 10 11	33,22,017 30	8,79,927 12 3	26,449 13 6	12,13,109 4 8	83,547	138,845	222,392

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
1,515	Rs. 12,13,109	801	1,515	Rs. 10,79,172	712	1,515	Rs. 22,92,281	1,515	1,515	Rs. 22,92,281	1,515	Rs. 1,43,788	Rs.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 57 1/2 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	13,376	6,422 1 0	47,052 30	8,410 9 0	37 11 0	9,870 5 0	1,032	894	2,736
Or per mile of railway ...	231	112 4 5	818 20	147 10 0	0 10 6	172 8 11	...	...	...
For previous weeks of half-year ...	...	...	...	...	...	...	...	...	...
Total for 8 days ...	13,376	6,422 1 0	47,052 30	8,410 9 0	37 11 0	9,870 5 0	1,032	894	2,736
COMPARISON.									
Total for corresponding 9 days of previous year ...	17,541	10,150 13 8	56,575 10	2,794 4 0	11 5 6	12,967 0 2	2,609	925	3,434
Per mile of railway corresponding period of previous year ...	307	177 7 5	980 29	47 4 5	1 10 5	226 11 3	...	...	...
Total to corresponding date of previous year ...	17,541	10,150 13 8	56,575 10	2,794 4 0	11 5 6	12,967 0 2	2,609	925	3,434

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
57 1/2	Rs. 12,967	227	57 1/2	Rs. 9,870	173	57 1/2	Rs. 22,837	397	57 1/2	Rs. 22,837	397	Rs. 20,120	Rs.

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	2,707	451 10 0	24,011 30	604 4 0	8 11 0	1,004 9 0	288	170	554
Or per mile of railway ...	.....	37 10 2	.....	50 5 8	0 11 7	88 11 5	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 8 days ...	2,707	451 10 0	24,011 30	604 4 0	8 11 0	1,004 9 0	288	170	554
COMPARISON.									
Total for corresponding 8 days of previous year ...	2,740	461 15 7	18,744 30	439 1 0	30 11 0	634 12 4	288	161	449
Per mile of railway corresponding period of previous year ...	.....	38 11 11	.....	36 0 5	2 0 0	77 14 4	.....	.....	.....
Total to corresponding date of previous year ...	2,740	461 15 7	18,744 30	439 1 0	30 11 0	634 12 4	288	161	449

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 5TH JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 5TH JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
12	Rs. 935	Rs. 78	12	Rs. 1,005	Rs. 80	12	Rs. 35,221	Rs. 2,935	12	Rs. 36,381	Rs. 3,032	Rs. 1,160	.....

SINDIA STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 74 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	5,379	4,333 10 0	1,20,133 10	6,546 6 0	183 5 0	11,063 5 0	800	1,327 1	2,127 1
Or per mile of railway ...	.....	57 13 0	.....	87 8 3	2 7 3	147 14 0	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 8 days ...	5,379	4,333 10 0	1,20,133 10	6,546 6 0	183 5 0	11,063 5 0	800	1,327 1	2,127 1
COMPARISON.									
Total for corresponding 8 days of previous year ...	6,175	5,574 0 4	1,07,108 0	3,463 3 0	289 0 0	9,326 10 1	1,946	1,708	3,654
Per mile of railway corresponding period of previous year ...	.....	74 8 4	.....	40 4 0	3 13 11	124 11 0	.....	.....	.....
Total to corresponding date of previous year ...	6,175	5,574 0 4	1,07,108 0	3,463 3 0	289 0 0	9,326 10 1	1,946	1,708	3,654

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 5TH JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 5TH JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
74	Rs. 9,327	Rs. 125	74	Rs. 11,063	Rs. 148	74	Rs. 2,75,155	Rs. 3,679	74	Rs. 2,94,919	Rs. 3,943	Rs. 10,764	.....

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the period	17,722	Rs. A. P. 4,307 11 0	Mds. s. 7,121 0	Rs. A. P. 287 11 0	Rs. A. P. 8 11 0	Rs. A. P. 4,604 1 0	1,068	38	1,106
Or per mile of railway	.....	193 0 8	.....	12 14 10	0 0 3	208 14 0	.....	.....	.....
For previous weeks of half-year	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 8 days	17,722	4,307 11 0	7,121 0	287 11 0	8 11 0	4,604 1 0	1,068	38	1,106
COMPARISON.									
Total for corresponding 9 days of previous year	10,591½	4,932 6 10	12,053 10	548 8 0	3 14 0	5,484 12 10	1,430	204	1,634
Per mile of railway corresponding period of previous year	.....	221 10 11	.....	24 10 5	0 2 10	246 8 2	.....	.....	.....
Total to corresponding date of previous year	10,591½	4,932 6 10	12,053 10	548 8 0	3 14 0	5,484 12 10	1,430	204	1,634

Approximate Statement of gross receipts of the Tarkeessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
22½	5,485	247	22½	4,604	207	22½	1,87,098	8,440	22½	1,83,694	8,256	.....	4,294

INDIAN MIDLAND RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the period	1,690	Rs. A. P. 1,238 8 3	Mds. s. 52,670 10	Rs. A. P. 3,671 6 0	Rs. A. P. 41 11 0	Rs. A. P. 4,046 9 3	250	584	840
Or per mile of railway	.....	29 5 11	.....	87 0 7	0 16 11	117 12 5	.....	.....	.....
For previous weeks of half-year	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 8 days	1,690	1,238 8 3	52,670 10	3,671 6 0	41 11 0	4,046 9 3	250	584	840

Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		
.....	.....	.....	42	4,947	118	.....	.....	.....	42	26,646	2,349	.....	.....

EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 234 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated) including steam boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for 8 days ...	137,249*	Rs. A. P. 43,170 0 0	MDS. S. 2,08,141 0	Rs. A. P. 48,210 0 0	Rs. A. P. 4,800 0 0	Rs. A. P. 96,140 0 0	13,514	8,859	22,373
Or per mile of railway ...	587	185 0 0	1,140 0	206 0 0	.....	391 0 0	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for week ...	137,249	43,170 0 0	2,08,141 0	48,210 0 0	4,800 0 0	96,140 0 0	13,514	8,859	22,373
COMPARISON.									
Total for corresponding 8 days of previous year ...	105,695	45,205 0 0	4,70,889 0	64,824 0 0	6,050 0 0	1,16,085 0 0	14,314	11,880†	26,194
Per mile of railway corresponding period of previous year ...	452	193 0 0	2,051 0	277 0 0	.....	470 0 0	.....	.....	.....
Total to corresponding date of previous year ...	105,695	45,205 0 0	4,70,889 0	64,824 0 0	6,050 0 0	1,16,085 0 0	14,314	11,880	26,194

* Exclusive of 1,698 miles for ballast trains.

† Includes 43,999 monthly ticket, for December last.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO FIRST 9 DAYS OF JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO FIRST 8 DAYS OF JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
234	Rs. 1,16,035	Rs. 496	234	Rs. 96,150	Rs. 411	234	Rs. 34,51,987	Rs. 14,880	234	Rs. 40,04,177*	Rs. 17,498	Rs. 6,12,590	.....

* Audited up to week ending 20th November 1886.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for first 8 days of January 1887, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for 8 days ...	28,570*	Rs. A. P. 9,110 0 0	MDS. S. 20,340 0	Rs. A. P. 1,374 0 0	Rs. A. P. 50 0 0	Rs. A. P. 10,494 0 0	4,430	1,074	5,504
Or per mile of railway ...	229	73 0 0	163 0	11 0 0	.....	84 0 0	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for week ...	28,570	9,110 0 0	20,340 0	1,374 0 0	50 0 0	10,494 0 0	4,430	1,074	5,504
COMPARISON.									
Total for corresponding 8 days of previous year (audited) ...	24,580	9,303 0 0	33,332 0	1,698 0 0	8 0 0	11,009 0 0	4,085	1,055	5,140
Per mile of railway corresponding period of previous year ...	197	74 0 0	267 0	14 0 0	.....	88 0 0	.....	.....	.....
Total to corresponding date of previous year ...	24,580	9,303 0 0	33,332 0	1,698 0 0	8 0 0	11,009 0 0	4,085	1,055	5,140

* Includes 8,226 monthly tickets for December last.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO FIRST 9 DAYS OF JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO FIRST 8 DAYS OF JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
125	Rs. 11,009	Rs. 88	125	Rs. 10,494	Rs. 84	125	Rs. 4,09,447	Rs. 3,273	125	Rs. 4,53,601*	Rs. 3,629	Rs. 44,554	.....

* Audited up to week ending 20th November 1886.

DACCA STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 8 days ...	14,080	5,240 0 0	15,380 0	1,600 0 0	50 0 0	6,850 0 0	2,570	906	3,476
Or per mile of railway ...	163	61 0 0	179 0	18 0 0	...	79 0 0	...	...	...
For previous weeks of half-year ...	...	...	...	...	...	...	...	...	...
Total for week ...	14,080	5,240 0 0	15,380 0	1,600 0 0	50 0 0	6,850 0 0	2,570	906	3,476
COMPARISON.									
Total for corresponding 8 days of previous year (audited) ...	10,568	2,142 0 0	6,000 0	764 0 0	112 0 0	3,018 0 0	816	1,045	2,461
Per mile of railway corresponding period of previous year ...	123	25 0 0	70 0	9 0 0	...	34 0 0	...	...	...
Total to corresponding date of previous year ...	10,568	2,142 0 0	6,000 0	764 0 0	112 0 0	3,018 0 0	816	1,045	2,461

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO FIRST 8 DAYS OF JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO FIRST 8 DAYS OF JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.		Rs.	Rs.			Rs.	Rs.		Rs.	Rs.	Rs.	
81	3,018	35	80	6,850	80	62	79,027	32	88	2,02,833*	59	1,24,209	...

* Audited up to week ending 30th November 1886.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	2,659	928 0 0	23,001 0	1,080 0 0	24 0 0	2,032 0 0	582	190	873
Or per mile of railway ...	98	34 1 0	877 0	39 10 0	0 14 0	74 9 0	...	...	...
For previous weeks of half-year ...	...	...	...	...	...	...	...	...	...
Total for 8 days ...	2,659	928 0 0	23,001 0	1,080 0 0	24 0 0	2,032 0 0	582	190	873
COMPARISON.									
Total for corresponding period of previous year ...	2,733	1,109 15 0	10,846 30	821 12 0	16 2 0	1,947 13 0	634	327	961
Per mile of railway corresponding week of previous year ...	100	40 13 0	398 0	30 2 0	0 10 0	71 8 0	...	...	...
Total to corresponding date of previous year ...	2,733	1,109 15 0	10,846 30	821 12 0	16 2 0	1,947 13 0	634	327	961

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 8TH JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 8TH JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.		Rs.	Rs.			Rs.	Rs.		Rs.	Rs.	Rs.	
27	1,048	79	27½	2,032	86	27½	60,118	2,260	27½	64,139	2,354	4,026	...

KAUNIA AND DHARLLA STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 37 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings inclusive of steam-boat (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the first 8 days of January	2,143	792 0 0	5,775 0	596 0 0	1,275 0 0	2,460 0 0	296	816	612
Or per mile of railway	58	21 0 0	156 0	11 0 0	.....	32 0 0	8	9	17
For previous weeks of half-year	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for first 8 days or 2 weeks	2,143	792 0 0	5,775 0	596 0 0	1,275 0 0	2,460 0 0	296	816	612
COMPARISON.									
Total for corresponding first 8 days of previous year	2,312	1,054 0 0	5,895 0	270 0 0	1,014 0 0	3,238 0 0	333	333	666
Per mile of railway corresponding period of previous year	62	28 0 0	160 0	7 0 0	.....	36 0 0	9	9	18
Total to corresponding date of previous year	2,312	1,054 0 0	5,895 0	270 0 0	1,014 0 0	3,238 0 0	333	333	666

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Kaunia and Dharlla State Railway.

RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
37	3,238	83	37	2,460	66	37	97,070	63	37	93,288*	61	.....	4,028

* Audited up to week ending 4th December 1886.

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 249 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings inclusive of steam-boat (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the first 8 days of January	20,310	15,040 0 0	1,40,540 0	80,000 0 0	6,800 0 0	50,000 0 0	5,530	9,407	14,937
Or per mile of railway	82	60 0 0	600 0	1.1 0 0	.....	181 0 0	22	38	60
For previous weeks of half-year	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for first 8 days or 2 weeks	20,310	15,040 0 0	1,40,540 0	80,000 0 0	6,800 0 0	50,000 0 0	5,530	9,407	14,937
COMPARISON.									
Total for corresponding first 8 days of previous year	24,000	17,275 14 8	2,32,476 0	45,463 12 0	7,856 5 0	70,596 0 2	5,723	16,020	21,743
Per mile of railway corresponding period of previous year	97	69 6 1	924 0	182 9 4	.....	281 16 5	23	64	87
Total to corresponding date of previous year	24,000	17,275 14 8	2,32,476 0	45,463 12 0	7,856 5 0	70,596 0 2	5,723	16,020	21,743

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Northern Bengal State Railway.

RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	70,596	281	249	60,000	204	249	17,37,454	170	249	20,47,687*	201	3,10,233	.....

* Audited up to week ending 4th December 1886.

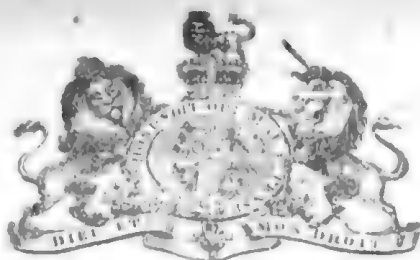
(NORTHERN BENGAL STATE RAILWAY.

CORRECTOR.

Total receipts under column "Other earnings, inclusive of Steam-boat estimated" against 4th line in the Approximate Return of Traffic of the Northern Bengal State Railway for last 18 days of December 1886, please read Rs. 1,47,268 for Rs. 14,72,268.

SAIDPUR, 11th January 1887.

W. B. GRAY, Offg. Examiner of Accounts.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 26, 1887.

OFFICIAL PAPERS.

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SOUTH-WEST MONSOON RAINFALL—MAY TO OCTOBER 1886.

The following is published for general information

P. NOLAN,

Offg. Secretary to the Govt. of Bengal.

THE following remarks give a brief resumé of the more important features of the rainfall of the province of Bengal during the south-west monsoon period, May to October 1886, and an introductory statement of the chief features of the weather, antecedent to the rains.

January was drier than usual. Behar obtained light showers from a depression which advanced into it from Upper India. February was unusually dry and cool. No rain fell, with the exception of some light showers in Behar and Bengal. The rapid increase of temperature which marks the transition to the hot weather, and which in South Bengal is almost contemporaneous with the establishment of southerly sea breezes in the coast districts, took place in the beginning of March, or nearly a fortnight later than usual. The weather in March was somewhat disturbed. A series of nor'westers occurred between the 21st and 29th in all divisions, except Behar and North Bengal. Temperature increased rapidly in April; but the whole of that month and the first week of May were unusually free from atmospheric disturbance. This was ultimately followed by a prolonged and vigorous series of thunderstorms or nor'westers, occurring between the 12th and 18th of May, which gave unusually heavy and general rain to the whole province. Almost immediately afterwards the first advance of southerly moist winds into the Bay from the South occurred and gave rise to a small cyclone that

advanced westwards to the Coromandel Coast near Pondicherry on the 24th. A brief interval of inaction in the south of the Bay, from the 24th to the 30th, was contemporaneous with a strengthening of the local sea winds in Bengal, which gave fairly general rain, heaviest in East Bengal, and diminishing in amount westwards.

The meteorological conditions antecedent to the advent of the rains proper had thus been approximately normal in character. The variations of the distribution of pressure from the mean were extremely small, more especially in March and April. Pressure was slightly higher in East Bengal relatively to the normal, and very slightly lower in Orissa, Chutia Nagpur, and South Behar. The variations were, however, so small as to indicate the absence of those special meteorological conditions which apparently precede serious deficiency of the rain-supply and drought over large areas. The next advance of south-west monsoon winds occurred in the first week of June. It gave rise to the formation of two small storms off the Aracan Coast, which advanced into East Bengal and gave it copious rain. A third and much more powerful advance originated on the 14th or 15th a large depression and storm, which marched across the coast near Saugor Island on the 16th, and drifted west north-westwards into Rajputana, initiating the rains in Western Bengal, Chutia Nagpur, and Behar. The rains proper were thus at least a week later than usual in being established over the greater part of the province. General rain, due to this first large influx of the moisture current of the south-west monsoon, continued in all parts of the province until the 9th or 10th of July, when a feeble depression began to form near the head of the Bay. A partial break in the rains commenced in the western and central districts, and lasted until the 20th or 21st of July, when the depression advanced across Orissa and Chutia Nagpur into Bundelcund. General rain followed and continued until the 10th August. An unusually large proportion of this rainfall was determined to South Behar, and the western districts of South-West Bengal and Chutia Nagpur, where the local conditions gave rise to a slight depression, which continued in existence from the 25th to 30th July. Some excessive rainfalls occurred during this period in that area. Raniganj received 16.89 inches on the 26th, and Hetampore 15.32 inches on the 25th July. A slight break in the rains, chiefly felt in Behar, followed during the generation of another storm in the Bay. This crossed the Ganjam Coast on the 18th of August. Its passage across Orissa into the Central Provinces was accompanied by a large influx of vapour, and hence by general rain throughout the province. It was especially heavy in East and North Bengal.

The monsoon current was unusually strong in September. During the first three weeks, three depressions formed in succession at the head of the Bay, and advanced across the coast of Orissa, through Chutia Nagpur, into South Behar. The indraught to them brought up unusually large supplies of aqueous vapour to all parts of the province. A fourth depression was generated during the last week of the month, which crossed the Ganjam Coast. The rainfall accompanying that disturbance in Bengal was chiefly given to Orissa and South-West Bengal. The rainfall of September was especially abundant in the Gya, Bhagalpore, Dinagepore, and Purneah districts, and in the Sonthal Pergunnahs. Some very heavy falls in 24 hours were recorded. Julpigori received 15.71 inches on the 13th. The rainfall of the month of October was of a very unusual character. A small depression formed at the commencement of the month and marched through Orissa into South Behar. This gave general rain to the province. The southern districts of South Behar and the Hazaribagh district obtained during the latter part of its existence excessive rain, which caused heavy floods in the Sone valley. Two depressions, which marched to the west coast of the Bay during the latter half of October, influenced the weather to a slight extent in Bengal. Occasional thunderstorms occurred in Bengal, and moderately heavy rain in Orissa, Chutia Nagpur and South Behar. The southern districts of East Bengal received moderate rain from a small subsidiary depression which advanced into it on the 20th.

The occurrence and the local distribution of the monsoon rainfall of 1886 has been briefly indicated in the preceding remarks. It only remains to state more fully the variation of the district rainfall, month by month, from the normal fall.

The rainfall of the month of May was either approximately equal to or above the average in all districts, with the exception of Mymensingh, and Julpigori and Cooch Behar. The excess was greatest in South-West Bengal, North Behar, the southern districts of Chutia Nagpur, the Dinagepore and Rungpore districts of North Bengal, the Monghyr district and the Sonthal Pergunnahs, over nearly the whole of which it exceeded 40 per cent. This unusually heavy rainfall in May, due in part to a prolonged atmospheric disturbance in the earlier part of the month, was followed, as is frequently the case, by a slight retardation in the arrival of the monsoon proper, and hence by a general deficiency of rainfall in June.

The rainfall of the month of June was generally below the average, and was very unequally distributed. The Cuttack and Balasore districts obtained from 40 to 50 per cent. above the normal amount. South Behar (excluding the Patna district) received an average of from 15 to 30 per cent. in excess. Over the remainder of the province the rainfall was either approximately normal or in defect. The deficiency exceeded 20 per cent. in the northern districts of East Bengal, the whole of North Bengal (excluding Rajshahiye and Maldah), North Behar (excluding Durbhunga and North Bhagulpore), and the Patna district, the Midnapore, Bankoorah, Beerbhoom, and Nuddea districts of South-West Bengal, and the Hazaribagh and Manbhoom districts. The deficiency was actually greatest in the northern districts of North Bengal, where it was very nearly 40 per cent. Hence the rainfall of the month of June was considerably in defect over the great part of North Behar and North Bengal, the northern districts of East Bengal, the northern districts of Chutia Nagpur, and the adjacent districts of South-West Bengal.

The rainfall of the month of July was fairly well distributed and abundant. Balasore, Midnapore, Bogra, Rungpore, Hazaribagh, and Lohardugga were the only districts in which there was a deficiency exceeding 10 per cent. In North and East Bengal the rainfall was generally slightly in excess, except in Noakhally, Dacca and Comillah, where the excess varied from 25 to 50 per cent. The rainfall in South-West Bengal was copious, but very irregularly distributed. The Beerbhoom district was a centre of very heavy rain, and received about 60 per cent. in excess. Hooghly and Nuddea obtained a rainfall 33 per cent. in excess. Behar also received unusually abundant rain. Over the whole of that area (excluding South Bhagulpore and the Sonthal Pergunnahs) the rainfall of the month was from 25 to 100 per cent. above the average. The Patna and Sarun districts formed the centre of heaviest rainfall. Very heavy local downpours occurred in the areas of heaviest precipitation, which gave rise to unusually high floods in Behar. The rainfall of the month of July was hence to a considerable extent opposite in character and distribution to that of the month of June.

The rainfall of the next month (August) was similar in character to that of July. It was generally above the average, and was most abundant in North Behar, North and East Bengal, or those districts which received the smallest amounts at the commencement of the monsoon (*i.e.* in June). In North Behar, the rainfall was abnormally heavy in the Purneah, Durbhunga, Mozufferpore, and Chumparun districts, which received from 60 to 80 per cent. above the average. In East Bengal, Backergunge obtained its normal amount. Over the remainder of that division the rainfall was from 25 to 60 per cent. in excess, the Dacca district being the centre of heaviest rainfall. Over the whole of North Bengal and South Behar, and in the Beerbhoom, Nuddea, Jessore, Khoolna and Moorshedabad districts, the rainfall was generally slightly in excess. Gya, Patna, Pubna and Bogra were the only districts in that area which received an excess slightly exceeding 23 per cent. Orissa, Chutia Nagpur (excluding Hazaribagh), and the south-western districts of South-West Bengal obtained total rainfalls during the month generally slightly less than the normal. The deficiency was considerable (exceeding 25 per cent.) in the Singbhoom, Manbhoom, Howrah, and Midnapore districts.

The rains were unusually persistent and plentiful in the month of September. The rainfall was either normal or above the average in all districts, except Singbhoom (where the deficiency was 32 per cent.) and Backergunge (where it was 7 per cent.) Over the greater part of the province the excess was over 33 per cent. It exceeded 60 per cent. in the Maldah, Dinagepur, and Purneah districts, which formed one centre of excessive rainfall, in the whole of South Behar and Manbhoom, which formed a second centre, and also in Mozufferpore, a third centre. The rainfall was exceptionally heavy in the

Dinagepore, Gya and South Bhagulpore districts, and in the Sonthal Pergunnahs, where it was more than twice the average rainfall of the month. This rainfall was chiefly due to the invasion of an unusually strong moisture current, which gave frequent and prolonged rain, more especially in Behar and North Bengal. There were many cases of intense local rainfall for brief periods, but these were generally not in the districts of largest total precipitation.

The rainfall of the month of October was very unusual in character and distribution. There was a strong influx of aqueous vapour to the greater part of Behar and the adjacent districts of Chutia Nagpur during the first fortnight, which gave unusually heavy rain. The Sarun, Shahabad, Gya, Monghyr, Hazaribagh and Lohardugga districts received total amounts varying from two to four times the normal rainfall of the month. The heaviest precipitation occurred in the Gya, Hazaribagh, and Shahabad districts or in the middle Sone valley, and occasioned severe floods. In Bengal and Orissa the rain fell chiefly during thunderstorms, and was hence very local and capricious in character. North Bengal and East Bengal (excluding Chittagong and Maldah, in which there was a slight excess) received amounts from 10 to 60 per cent. less than the mean fall of the month. Over the greater part of South-West Bengal and in Orissa the rainfall varied very slightly (generally in defect) from the normal. It was deficient in the Bankoora and Midnapore districts and in the 24-Pergunnahs by amounts slightly exceeding 20 per cent.

The preceding sketch has shown that the monsoon rains of 1886 were unusually plentiful. The monsoon was slightly later in being established over the province than usual, and was below its normal strength in June. It gave excessive rain during the months of July and August to the northern and eastern districts of the province, or to North and Central Behar, North and East Bengal, during September and October to South Behar, and in October to Chutia Nagpur. The only districts in which there was a deficiency in the total rainfall of the monsoon period were—Singbhoon, Midnapore, Bankoora, Mymensingh, Backergunge, Rungpore and Julpigori. The deficiency was less than 5 per cent. (or the rainfall practically normal), except in Singbhoon and a portion of Midnapore (represented by the stations of Contai and Tumlook), in which it slightly exceeded 15 per cent. Over the whole of Bengal (with the exception of the districts mentioned above), the monsoon rainfall of 1886 was from 5 to 25 per cent. above the average, the excess, roughly speaking, increasing in amount from east to west and from south to north. It was greatest in the Dacca and Dinagepore districts, for which it was 23 and 22 per cent. respectively. The excess was less marked in Chutia Nagpur and Orissa. In these areas Cuttack and Hazaribagh received the largest excess, the percentage variations for these two districts being 19 and 11 per cent.

The most marked feature of the season was the excessive rainfall over the whole of Behar. It was due rather to steady, prolonged downpours than to occasional violent precipitation, and hence accompanied a continuous determination of the moisture current to that area during the monsoon. It received from 15 to 25 inches above the normal amount. The excess, expressed as a percentage, ranged from 30 per cent. in Chumparun to 59 per cent. in Gya. Gya, Patna, and Sarun formed the centre of this area of abundant rainfall.

To sum up:—

1. The monsoon of 1886 was unusually favourable. It gave abundant rain, lasted until the middle of October in Behar, and until the end of October in Bengal. Its final withdrawal southwards was not followed by the formation of any cyclone entering the province.

2. It was characterized by prolonged periods of general rain rather than by excessive or violent local precipitation. In Bengal, Orissa, and Chutia Nagpur the monthly variations were complementary, slightly deficient rainfall at one period being more than compensated for by excess at another period during the monsoon. In South Behar, and to a less extent in North Behar, the rainfall was excessive throughout the whole season, the Gya, Sarun, and Patna districts apparently forming the centre of an area of favourable abnormal meteorological conditions, and therefore of excessive precipitation.

3. The rainfall in South-West Bengal and Orissa was well distributed throughout the whole season, and was not very excessive in its total amount, in no district except Beerbhoon exceeding the normal by 20 per cent. In East Bengal the rains were very abundant in the earlier monsoon months, but were deficient towards the end of the rains, especially in October. They were

hence not distributed so favourably as in South-West Bengal. The total rainfall of East and North Bengal was either normal or slightly in excess, the greatest excess occurring in the Dacca and Dinagepore districts (23 and 22 per cent. respectively). In Behar the rainfall was more or less in excess throughout the whole season. In Chutia Nagpur it was steadily in defect during the greater part of the rains, the deficiency being greatest in Singbhoom. An unusually heavy fall during the first half of October caused the total rainfall of the period to be slightly in excess in Hazaribagh, Manbhoom and Lohardugga.

4. The following table gives briefly the amount and variation of the rainfall in each of the seven meteorological divisions of the Province, month by month:—

Actual Rainfall.

METEOROLOGICAL DIVISIONS.	May.	June.	July.	August.	September.	October.	Year.
Orissa ...	4.66	12.10	11.11	9.37	15.75	7.25	60.24
South-West Bengal ...	7.83	8.94	14.72	11.71	12.48	3.94	59.62
East Bengal ...	10.30	17.18	19.26	21.38	13.46	3.61	85.19
North Bengal ...	9.64	12.24	15.13	15.82	22.29	2.74	77.86
North Behar ...	4.46	6.78	18.80	17.81	13.82	5.31	66.98
South Behar ...	2.80	7.71	16.05	12.33	16.59	6.74	62.22
Chutia Nagpur ...	2.97	6.58	11.23	10.82	11.62	8.47	51.69

Variation of actual Rainfall from the average in inches.

METEOROLOGICAL DIVISION	May.	June.	July.	August.	September.	October.	Year.
Orissa ...	+ 1.07	+ 3.23	— 1.71	— 2.06	+ 5.28	+ 1.12	+ 6.93
South-West Bengal ...	+ 2.72	— 1.36	+ 2.98	— 1.32	+ 3.58	— 0.54	+ 6.06
East Bengal ...	+ 0.85	— 1.29	+ 2.91	+ 5.80	+ 1.00	— 2.03	+ 7.24
North Bengal ...	+ 1.34	— 5.41	+ 0.80	+ 1.77	+ 9.57	— 2.15	+ 5.92
North Behar ...	+ 1.72	— 1.89	+ 6.56	+ 6.70	+ 4.09	+ 1.91	+ 19.09
South Behar ...	+ 0.82	+ 0.86	+ 4.12	+ 0.98	+ 9.33	+ 3.64	+ 19.75
Chutia Nagpur ...	+ 0.56	— 1.89	— 2.28	— 2.68	+ 2.96	+ 5.75	+ 2.42

Variation expressed in a percentage.

Orissa ...	+ 30	+ 36	— 14	— 19	+ 50	+ 18	+ 13
South-West Bengal ...	+ 53	— 13	+ 26	— 10	+ 40	— 12	+ 11
East Bengal ...	+ 9	— 7	+ 18	+ 37	+ 8	— 36	+ 9
North Bengal ...	+ 16	— 31	+ 6	+ 13	+ 75	— 44	+ 8
North Behar ...	+ 63	— 22	+ 54	+ 60	+ 42	+ 56	+ 40
South Behar ...	+ 41	+ 13	+ 35	+ 9	+ 129	+ 117	+ 46
Chutia Nagpur ...	+ 23	— 22	— 17	— 20	+ 34	+ 211	+ 5

5. The rainfall of the south-west monsoon period of the past seven years in Bengal appears to indicate that it follows some cyclical or periodic law. The following table gives the average provincial rainfall for each of the years 1880-86, and the variation from the average for the monsoon period:—

	1880.	1881.	1882.	1883.	1884.	1885.	1886.
Average actual total rainfall, May-October	66.03	63.00	58.51	50.72	52.60	64.90	69.65
Variation from normal average ...	+ 5.20	+ 2.17	— 2.32	— 10.11	— 8.23	+ 4.07	+ 8.82

6. If the accumulation of rainfall records in Bengal should prove hereafter that the periodic law of variation is of a simple form or character, its determination will be of the utmost importance. It is, however, much more probable that it is of a complex nature, and hence not capable of (approximately) exact induction.

J. ELIOT,

Meteorological Reporter to the Government of Bengal.

TABLE I

Actual Monthly Rainfall of districts in Bengal for the months May to October 1886.

[N. B.—The figures in this table are the arithmetical averages of the corresponding figures in the returns for the sub-divisional stations.]

DIVISIONS.	DISTRICT.	May.	June.	July.	August.	September.	October.	TOTAL.
ORISSA	Pooree ...	3.71	7.74	11.63	9.00	16.31	8.57	56.96
	Cuttack ...	3.54	14.90	11.67	9.94	12.97	8.66	61.68
	Balasore ...	6.24	12.66	10.29	9.15	16.44	5.20	59.98
SOUTH-WEST BENGAL.	South Midnapore and South-West 24-Per-gunnahs.	4.79	7.65	13.43	6.87	16.72	5.39	54.85
	Midnapore ...	7.69	8.75	11.76	10.19	10.13	3.25	51.77
	24 Pergunnahs ...	7.89	9.15	14.61	12.80	13.52	3.31	61.28
	Hooghly, Howrah ...	7.19	9.59	16.44	10.27	12.11	3.52	59.12
	Bankoora ...	5.65	7.11	14.70	11.45	10.37	3.15	52.43
	Beerbhoom ...	3.88	8.61	22.69	12.20	14.61	4.06	66.05
	Burdwan ...	10.03	7.73	13.90	10.89	11.63	3.72	57.90
	Nuddea ...	10.88	7.85	13.62	13.35	10.00	3.67	59.37
	Moorsheadabad ...	5.29	9.80	13.29	13.32	14.42	4.00	60.12
	Khoolna and Jessore ...	11.61	10.55	13.41	12.26	11.80	4.88	64.51
EAST BENGAL	Chittagong ...	9.63	34.35	29.48	32.45	15.46	8.39	129.76
	Chittagong Hill Tracts ...	9.62	26.76	24.59	18.92	11.06	3.27	94.22
	Rackergunge ...	10.27	17.49	18.46	16.70	10.10	5.32	78.34
	Noakholly ...	9.42	28.73	33.48	30.10	15.38	4.31	121.42
	Furreedpore ...	12.30	10.92	14.49	14.60	11.57	2.04	66.92
	Dacca ...	10.07	14.72	17.80	20.64	14.09	3.07	80.39
	Comillah ...	12.45	12.54	19.00	22.94	15.02	2.36	84.31
	Mymensingh ...	8.48	11.05	12.26	21.62	14.92	2.93	71.26
NORTH BEN-GAL.	Pubna ...	7.50	7.49	10.06	16.47	15.22	3.37	60.11
	Bogra ...	9.80	10.30	11.31	16.76	16.25	2.82	67.24
	Rajshahye ...	6.80	10.29	12.50	12.33	15.99	2.51	60.51
	Maldah ...	3.67	9.68	13.36	10.93	19.77	4.58	61.99
	Dinagepore ...	8.27	8.24	14.01	13.71	26.73	2.51	73.47
	Rungpore ...	15.64	13.29	12.40	12.98	19.15	2.06	75.52
	Julpigori and Cooch Behar.	10.46	20.25	25.29	22.54	31.54	2.58	112.66
	Darjeeling Hill ...	9.71	30.37	32.06	43.99	23.28	2.15	141.56
NORTH BEHAR	Purneah, North Bhagul-pore.	6.14	9.41	20.25	20.80	18.89	2.81	78.30
	Darbhanga ...	4.04	7.69	16.78	19.72	10.08	5.51	63.77
	Mozufferpore ...	3.36	4.84	16.73	15.49	14.56	5.03	60.00
	Champaran ...	4.46	4.36	14.76	20.09	12.37	5.91	61.95
	Saran ...	3.19	5.01	23.18	11.72	9.38	9.18	61.66
SOUTH BEHAR	Shahabad ...	1.05	7.55	16.31	8.91	12.11	8.68	54.61
	Gya ...	1.81	6.50	16.18	14.04	17.35	7.75	63.63
	Patna ...	1.64	4.50	20.40	14.50	12.13	6.22	59.39
	Monghyr and South Bhagulpore.	3.01	8.46	13.65	9.96	17.15	6.44	58.07
	Sonthal Pergunnahs...	5.23	10.14	14.91	13.99	21.57	5.36	71.20
CHUTIA NAG-PUR.	Hazaribagh ...	2.44	6.82	11.00	12.90	12.51	10.37	56.04
	Lohardugga and Man-bhoom.	3.03	6.19	10.38	9.56	12.10	6.92	48.18
	Singbhoom ...	5.33	7.52	13.62	5.50	6.33	5.10	43.40

TABLE II.

*Variation of the average district actual Monthly Rainfall from the normal average for the months
May to October 1886.*

DIVISIONS.	DISTRICTS.	May.	June.	July.	August.	September.	October.	TOTAL.
ORISSA	Pooree ...	+0.82	-1.02	-0.44	-3.16	+5.65	+0.47	+2.32
	Cuttack ...	+0.31	+5.10	-0.67	-0.60	+3.10	+2.73	+9.97
	Balasore ...	+1.83	+3.67	-2.48	-2.34	+4.76	-0.31	+5.13
SOUTH-WEST BENGAL.	South Midnapore and South-West 24-Pergunnahs.	+0.02	-3.14	-1.64	-7.67	+4.79	-2.41	-10.05
	Midnapore	+2.53	-1.00	-0.58	-3.79	+1.62	-1.19	-2.41
	24-Pergunnahs ...	+2.08	-0.95	+2.46	-0.03	+4.61	-0.92	+7.25
	Hooghly and Howrah	+1.73	-0.50	+3.79	-3.34	+3.46	-0.66	+4.48
	Bankoora	+1.92	-2.81	+1.56	-2.03	+1.44	-0.99	-0.91
	Beerbhoom	+0.87	-1.47	+9.83	-1.08	+4.70	+0.55	+13.40
	Burdwan	+5.21	-1.69	+2.94	-1.24	+3.83	-0.56	+8.49
	Nuddea	+4.45	-2.18	+3.38	+1.24	+1.42	-0.65	+7.66
	Moorsshedabad	+0.76	+0.80	+2.52	+1.52	+4.34	-0.50	+9.44
EAST BENGAL	Khoolna and Jessore	+4.73	-1.92	+2.04	+0.16	+4.11	+0.38	+9.50
	Chittagong	-0.19	+4.95	-1.55	+8.22	+0.81	+1.57	+13.81
	Chittagong Hill Tracts	-0.01	+6.30	+6.64	+2.48	-1.81	-4.27	+9.33
	Backergunge	+2.68	-2.54	+0.19	+0.57	-2.09	-0.25	-1.44
	Noakhally	-0.93	+2.07	+11.17	+6.49	-1.41	-2.39	+15.00
	Furreedpore	+3.63	-1.74	+1.98	+2.43	+2.46	-2.47	+6.29
	Dacca	+0.63	+1.28	+3.80	+7.72	+2.98	-1.36	+14.85
	Comillah	+1.75	-4.48	+4.54	+6.62	+3.05	-2.99	+8.49
	Mymensingh	-1.42	-5.71	-1.06	+7.25	+1.62	-2.55	-1.87
NORTH BENGAL.	Pubna	+0.14	-3.94	-0.83	+4.20	+4.54	-1.23	+2.88
	Bogra	+1.81	-2.29	-2.25	+4.70	+5.67	-1.76	+5.88
	Rajshahye	+0.72	-0.29	+0.61	+0.82	+4.71	-2.23	+4.34
	Maldah	-0.43	-1.62	+1.44	-1.50	+8.81	+0.81	+7.51
	Dinagopore	+2.78	-5.30	+0.24	+1.83	+14.90	-1.11	+13.34
	Rungpore	+4.69	-7.94	-1.89	+0.47	+5.67	-2.67	-1.67
	Julpigoree and Cooch Behar.	-2.82	-11.01	+3.13	+1.33	+7.94	-2.87	-4.30
	Darjeeling Hill	-0.48	+2.17	+0.26	+14.29	+5.02	-4.50	+16.76
NORTH BEHAR.	Purneah, North Bhagulpore.	+1.95	-2.12	+6.06	+7.32	+6.19	-0.83	+18.77
	Durbhunga	+1.66	-0.06	+5.05	+9.18	+0.47	+2.61	+18.91
	Mozufferpore	+1.21	-2.12	+5.44	+5.30	+5.91	+1.79	+17.53
	Chumparun	+1.89	-3.83	+2.73	+7.58	+3.30	+2.46	+14.13
	Sarun	+1.22	-1.49	+11.09	+1.42	+1.76	+5.06	+19.06
SOUTH BEHAR.	Shahabad	+0.05	+1.96	+4.28	-1.97	+4.67	+5.43	+14.42
	Gya	+0.34	+0.87	+4.17	+2.65	+10.54	+4.94	+23.51
	Patna	-0.08	-1.78	+8.56	+4.07	+4.76	+3.07	+18.60
	Monghyr and South Bhagulpore.	+0.90	+1.33	+2.31	-0.33	+9.26	+2.95	+15.92
CHUTIA NAGPUR.	Sonthal Pergunnahs...	+1.88	+0.93	+2.12	+2.06	+11.13	+1.57	+19.60
	Hazaribagh	+0.23	-1.96	-2.51	-0.25	+3.11	+7.01	+5.63
	Lohardugga and Manbhoom.	+1.12	-1.43	-1.58	-2.64	+4.26	+3.37	+3.10
	Singbhoom	+1.85	-0.89	-0.50	-8.07	-2.91	+1.85	-8.67

TABLE III.

The variation of the average district Monthly Rainfall expressed as a percentage of the normal rainfall for the months May to October 1886.

DIVISIONS.	DISTRICTS.	May.	June.	July.	August.	September.	October.	TOTAL.
ORISSA	Pooree ...	+28	-12	-4	-3	+53	+6	+4
	Cuttack ...	+10	+52	-5	-6	+31	+46	+19
	Balasore ...	+41	+41	-19	-20	+41	-6	+9
SOUTH-WEST BENGAL.	South Midnapore and South-West 24-Pergunnahs.	0	-29	-11	-53	+40	-31	-15
	Midnapore ...	+49	-10	-5	-27	+19	-27	-4
	24-Pergunnahs ...	+36	-9	+20	0	+52	-22	+13
	Hooghly and Howrah	+32	-5	+30	-25	+40	-16	+8
	Bankoora ...	+51	-28	+12	-15	+16	-24	-2
	Beerbhoom ...	+29	-15	+76	-8	+47	+16	+25
	Burdwan ...	+108	-18	+27	-10	+49	-13	+17
	Nuddea ...	+69	-22	+33	+10	+17	-15	+15
	Moorshedabad ...	+17	+9	+23	+13	+43	-11	+19
EAST BENGAL	Khoolna and Jessore	+69	-15	+18	+1	+53	+8	+17
	Chittagong ...	-2	+17	-5	+34	+6	+23	+12
	Chittagong Hill Tracts	0	+31	+37	+15	-14	-57	+11
	Backergunge ...	+35	-13	+1	+4	-17	-4	-2
	Noakholly ...	-9	+8	+50	+27	-8	-36	+14
	Furreedpore ...	+42	-14	+16	+20	+27	-55	+11
	Dacca ...	+7	+10	+27	+60	+27	-34	+23
	Comillah ...	+16	-26	+31	+41	+25	-56	+11
	Mymensingh ...	-14	-34	-8	+50	+12	-47	-3
NORTH BENGAL.	Pubna ...	+2	-34	-8	+34	+43	-27	+5
	Bogra ...	+23	-18	-17	+39	+54	-38	+10
	Rajshahye ...	+12	-3	+5	+7	+42	-47	+8
	Maldah ...	-10	-14	+12	-12	+80	+21	+14
	Dinagopore ...	+61	-39	+2	+15	+126	-31	+22
	Rungpore ...	+43	-37	-13	+4	+42	-56	-2
	Julpigori and Cooch Behar.	-21	-35	+14	+6	+34	-53	-4
	Darjeeling Hill ...	-5	+8	+1	+43	+27	-68	+13
NORTH BEHAR	Purneah and North Bhagulpore.	+41	-18	+43	+54	+51	-23	+32
	Durbhanga ...	+70	-1	+43	+87	+5	+90	+42
	Mozuffierpore ...	+42	-30	+48	+52	+68	+55	+41
	Chumparun ...	+74	-47	+23	+61	+36	+71	+30
	Sarun ...	+62	-23	+92	+14	+23	+123	+45
SOUTH BEHAR	Shahabad ...	+5	+35	+36	-18	+63	+167	+36
	Gya ...	+23	+15	+35	+23	+155	+176	+59
	Patna ...	-5	-28	+72	+39	+65	+97	+46
	Monghyr and South Bhagulpore.	+43	+19	+20	-8	+117	+85	+37
	Southal Pergunnahs...	+56	+10	+17	+17	+106	+41	+38
CHUTTA NAGPUR.	Hazaribagh ...	+10	-22	-18	-2	+33	+209	+11
	Lohardugga and Manbhoom.	+58	-19	-13	-22	+54	+95	+7
	Singbhoom ...	+53	-11	-4	-59	-32	+57	-17

TABLE IV.

Monthly Rainfall of the Sub-divisional Rainfall-recording Stations in the Province of Bengal for the months of May to October 1886.

Division.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
BENGAL.	Pooree	Pooree ...	3.37	7.13	10.55	6.18	14.78	6.14	48.15
		Khurdah ...	5.85	11.73	8.53	9.17	17.57	9.46	62.31
		Bampur ...	0.86	4.19	9.66	13.43	17.89	13.19	59.22
		False Point ...	4.74	7.90	17.78	7.23	15.01	5.47	58.13
		Gop ...	0.53	7.25	15.60	13.90	16.97	7.37	61.62
		Pipli ...	Nil	7.96	9.08	5.89	?	?	22.93?
	Cuttack	Jagatsingapore ...	1.51	15.70	14.21	10.44	14.83	7.85	64.54
		Banki ...	3.97	13.68	11.24	8.02	10.69	8.76	56.36
		Cuttack ...	5.44	20.02	11.03	8.63	13.99	11.77	70.88
		Kendrapara ...	4.26	11.61	11.94	6.82	10.85	8.96	54.44
		Jajpore ...	2.52	13.50	9.91	15.79	14.49	5.94	62.15
		Dharmasalla ...	5.93	8.79	10.02	14.55	11.64	10.40	61.33
	Balasore	Salipore ...	?	9.81	9.92	9.52	9.19	?	?
		Chandbali ...	5.96	10.96	7.46	8.76	16.57	5.25	54.96
		Bhuddruck ...	8.78	11.22	8.15	7.29	17.33	4.49	57.26
		Sorah ...	6.47	10.73	10.81	9.48	16.29	6.90	60.68
		Balasore ...	5.76	14.40	11.17	11.96	17.82	5.65	66.76
		Jellasore ...	3.94	17.62	14.56	7.34	14.19	4.83	62.58
	Midnapore	Baripodah ...	6.53	11.02	9.58	10.05	16.45	3.96	57.59
		Contai ...	4.29	7.91	11.75	3.39	14.46	3.71	45.51
		Saugor Island ...	3.55	9.37	13.24	8.56	20.47	8.95	64.14
		Tumlook ...	7.30	10.50	11.60	7.60	11.10	2.70	50.80
		Midnapore ...	7.51	7.40	9.50	11.29	8.57	4.43	48.72
		Ghatal ...	8.26	8.35	14.17	11.68	10.72	2.59	55.77
		Derog ...	5.37	4.83	11.46	4.62	15.17	1.39	42.84
		Heria ...	6.10	7.80	12.34	5.63	17.64	2.21	51.72
		Bhagwanpore ...	10.08	10.27	8.90	7.50	10.48	1.29	48.52
	24-Pergun- nahs.	Garbeta ...	7.54	8.03	10.91	7.55	11.84	4.56	50.43
		Diamond Harbour ...	6.54	5.67	15.31	8.66	15.23	3.50	54.91
		Canning Town ...	8.30	5.57	16.31	14.77	15.18	1.83	61.96
		Alipore Jail ...	7.79	11.72	15.72	8.81	15.38	3.78	63.20
		Barrackpore ...	6.11	6.03	15.56	14.22	12.32	2.86	57.10
		Dum-Dum ...	7.42	8.93	14.10	12.97	11.90	1.22	56.54
BENGAL.	Howrah	Baraset ...	6.61	11.42	12.16	13.94	1.23	2.82	59.18
		Buseerhat ...	11.54	7.64	15.50	14.06	15.78	5.88	70.40
		Howrah ...	8.64	9.06	14.18	8.41	12.42	4.64	57.35
	Hooghly	Mohesreka (Oolberiah) ...	7.54	9.07	16.98	8.44	12.41	4.42	58.86
		Serampore ...	6.27	6.78	15.76	13.77	14.30	2.61	59.49
	Hooghly	Hooghly ...	8.88	8.62	15.42	10.53	11.35	1.77	56.57
		Jehanabad ...	4.63	14.41	19.84	10.20	10.08	4.14	63.30
		Culina ...	10.69	7.64	12.29	13.11	11.05	4.50	59.28
	Burdwan	Burdwan ...	8.09	10.52	17.38	9.00	13.81	2.34	61.14
		Cutwa ...	11.30	5.04	12.04	10.55	10.04	4.33	53.30
		Mankur ...	5.40	8.64	18.29	14.03	14.01	4.24	64.61
		Raneegunge ...	3.52	9.11	31.45	8.93	10.98	3.58	66.67
	Bankoora	Bankoora ...	5.10	6.54	14.26	10.97	10.86	2.97	50.70
		Bishenpore ...	8.01	7.04	13.00	9.35	11.65	1.78	51.43
		Maliara ...	5.34	7.81	17.90	15.80	8.80	2.70	58.35
		Khatra ...	4.13	6.45	13.63	9.66	10.16	5.14	49.17
		Indas ...	7.67	10.77	12.25	7.8	10.56	2.21	51.44
		Kotalpore ...	4.72	6.53	13.38	9.77	8.76	1.81	44.97

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
SOUTH- WEST BENGAL— concid.	Bankoora,— concluded.	Anda ...	2.60	4.00	6.90	11.88	11.02	1.10	37.50
		Gangajalghati ...	5.16	11.17	16.44	10.70	10.14	4.41	58.02
		Raipore ...	5.96	8.69	15.10	10.60	9.56	5.76	55.87
		Souamukhi ...	5.19	8.33	7.48	5.20	11.34	0.80	38.34
	Beerbhoom	Bh. Soory ...	4.35	10.88	14.06	14.82	17.33	5.38	66.82
		Hetampore ...	3.11	9.28	27.38	8.77	15.92	1.63	66.09
		Rampore Haut ...	4.52	5.16	17.85	16.29	15.12	5.65	64.59
		Bolpore ...	8.15	10.58	21.57	9.74	12.64	2.64	65.32
	Nuddea ...	Ranaghat ...	9.30	9.95	14.67	7.78	9.87	3.31	54.88
		Kishuaghur ...	8.14	7.77	10.78	13.39	12.51	3.16	55.75
		Choondanga ...	15.97	6.14	14.43	15.05	6.06	3.22	60.87
		Meherpore ...	10.80	6.16	12.45	13.39	9.25	3.75	55.80
		Kooshtea ...	10.20	9.24	15.78	17.14	12.32	4.93	69.01
	Khoolna ...	Satkhira ...	9.30	6.36	14.76	12.86	12.45	6.31	62.04
		Bagirhat ...	5.59	14.81	19.05	16.95	14.62	7.42	78.44
		Khoolna ...	10.25	12.57	8.21	10.63	10.25	1.77	53.08
	Jessore ...	Narail ...	10.12	11.07	9.95	13.18	11.02	2.13	57.47
		Jessore ...	8.21	8.87	15.86	17.74	13.87	5.03	69.58
		Jhenidah ...	15.76	10.44	13.52	12.57	9.15	5.20	66.64
		Magoora ...	21.63	12.53	13.17	7.08	9.42	6.13	69.96
		Bongong ...	12.04	7.71	12.78	7.03	13.61	5.01	58.18
	Moorshed- abad.	Kandi ...	5.01	6.78	15.69	11.57	9.71	4.37	53.13
		Berhampore ...	5.33	7.90	11.93	11.82	17.50	3.69	57.97
		Lalbagh ...	4.78	9.76	15.24	13.66	12.91	4.25	60.60
		Amizgunge ...	5.39	11.85	10.66	14.97	13.39	4.66	60.92
		Jungipore ...	5.36	12.38	12.76	15.26	20.24	3.10	69.10
		Lalgola ...	5.84	10.12	13.46	12.66	12.95	3.93	58.96
		Akhriyunge ...	?	?	11.31	9.97	14.48	4.53	40.29
	Chittagong...	Cox's Bazar ...	7.70	27.73	39.37	31.21	16.14	11.83	133.98
		Chittagong ...	11.56	40.97	19.58	33.68	14.79	4.94	125.52
		Kutubdia ...	6.85	27.01	32.89	23.27	14.28	11.11	115.41
		Satkanya ...	8.93	39.59	28.72	15.38	14.74	5.33	112.69
	Chittagong Hill Tracts.	Rangamati ...	9.82	25.48	28.39	21.88	11.86	3.70	101.14
		Ruma ...	9.43	28.03	20.78	15.95	10.26	2.84	87.29
	Backer- gunge.	Patuakhally ...	9.83	19.78	15.51	17.64	12.79	4.33	79.83
		Perozepore ...	12.43	17.81	21.25	15.68	8.96	3.79	79.92
		Burrisal ...	10.14	13.38	16.43	13.50	7.67	3.01	64.11
		Bhola ...	8.66	18.98	20.64	19.99	10.99	10.16	89.42
		Gournaddi ...	8.96	10.46	18.93	15.22	8.50	4.20	66.22
		Bauphal ...	12.15	17.26	18.05	19.25	13.72	6.48	86.91
EAST BENGAL.	Noakholly...	Noakholly ...	10.05	27.22	28.31	30.66	17.12	2.67	116.04
		Fenny ...	8.80	30.23	38.64	29.54	13.63	5.95	126.77
		Harishpore (Sun- dip) ...	10.04	29.64	34.12	30.59	26.13	12.99	143.55
		Ramganj ...	12.33	20.61	21.02	30.31	11.50	0.62	96.81
		Madaripore ...	7.48	18.08	15.59	19.16	9.72	1.70	71.77
	Furreedpore	Furreedpore ...	15.70	7.55	13.92	13.33	12.61	2.34	65.44
		Goalundo ...	13.73	7.12	13.97	11.32	12.37	2.07	60.34
		Munshigunge ...	11.95	21.41	22.23	24.16	17.23	3.27	100.22
	Dacca ...	Dacca ...	7.62	14.85	16.33	19.38	11.78	1.82	71.77
		Naraingunge ...	10.81	17.28	19.60	22.04	16.13	2.27	88.11
		Manickgunge ...	9.88	5.33	13.03	16.96	11.20	4.91	61.41
		Joydebore ...	6.15	13.69	12.14	16.59	19.81	1.88	72.22
		Hill Tipperah...	12.38	8.21	16.89	21.90	10.66	2.35	72.81

MetEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
EAST BENGAL.	Tipperah ...	Comilla ...	12-60	15-32	22-84	25-42	13-92	2-05	92-15
		Ohandpore ...	10-85	20-05	17-60	23-65	19-30	2-60	94-05
		Brahmunberia ...	13-98	6-57	18-68	20-78	16-19	2-44	78-64
		Ramchandrapore ...	11-48	8-91	16-10	20-38	10-66	3-69	71-22
		Nasirnagar ...	9-85	9-21	13-04	19-77	4-11	6-86	62-84
		Daudkandi ...	7-50	17-41	17-75	14-57	16-71	3-19	77-13
		Kasba ...	14-13	6-91	17-19	24-90	12-15	1-08	76-36
		Laksham ...	6-75	18-99	25-94	28-05	13-24	0-98	93-95
	Mymensingh ...	Kishoregunge ...	8-46	9-92	15-84	28-39	11-99	2-52	77-12
		Atia (Tanoail) ...	5-96	7-66	9-31	18-78	10-36	4-96	57-03
		Mymensingh ...	9-76	13-58	13-72	18-27	15-69	2-84	73-86
		Jamalpore ...	7-00	7-30	9-73	13-38	22-73	3-02	63-16
		Netrokona ...	11-23	16-81	12-71	29-28	13-82	1-32	85-17
		Subornakhally ...	7-93	6-43	8-13	13-13	9-19	0-69	45-50
		Durgapore ...	?	?	?	?	18-54	2-45	
		Dewanganj ...	12-70	10-89	9-58	12-71	17-93	0-94	64-75
	Pubna ...	Pubna ...	8-17	6-52	10-01	17-58	15-51	5-49	63-28
		Serajgunge ...	6-84	8-46	10-10	15-36	14-94	1-24	56-94
	Bogra ...	Sherpore ...	7-65	12-24	13-63	16-53	13-02	1-60	64-67
		Nowkhilla ...	10-81	7-03	10-13	20-15	12-52	2-70	63-34
		Bogra ...	8-71	10-89	10-91	17-40	17-23	2-64	67-78
		Panchibibi ...	12-04	11-04	10-58	12-96	22-23	4-35	73-20
	Rajshahye ...	Beaulah ...	6-63	11-81	15-10	12-21	15-02	1-97	62-74
		Nattore ...	7-16	8-77	9-91	12-45	16-95	3-04	58-28
		Noagaon ...	8-33	10-82	13-38	13-01	22-08	2-02	69-64
		Lalipore ...	9-54	8-64	11-09	13-62	15-83	4-32	63-04
		Munda ...	6-50	7-02	11-00	13-47	17-20	3-59	58-78
	Maldah ...	Maldah ...	4-16	14-80	12-95	12-00	20-83	7-50	72-24
		Chanchal ...	3-19	4-56	13-77	9-85	18-71	1-66	51-74
		Gajol ...	3-41	6-49	15-98	16-66	21-77	2-95	67-26
		Sibgunj ...	7-30	9-60	10-43	12-98	20-98	2-99	64-28
EAST BENGAL.	Dinapore... ..	Mohadehpore ...	7-31	10-56	12-40	12-48	31-55	4-81	79-11
		Churumoh ...	4-39	6-51	16-68	13-17	22-84	1-54	65-13
		Raigunge ...	5-92	8-14	14-47	22-23	35-57	2-13	88-46
		Dinapore ...	15-87	7-24	12-50	12-82	21-12	2-49	72-04
		Baloorghat ...	7-86	8-73	14-00	7-87	22-56	1-57	62-59
	Rungpore ...	Bhawanigunge ...	13-04	9-03	10-07	8-72	14-54	1-01	56-41
		(Gyabanda).							
		Rungpore ...	13-17	10-72	12-82	13-86	18-94	1-46	70-97
		Kurigram ...	20-86	20-03	12-15	16-47	19-20	4-23	92-94
		Bagdogra ...	15-48	13-37	14-57	12-86	23-91	1-55	81-74
	Julpigoree ...	(Nilphamari).							
		Ulipore ...	19-76	14-17	8-25	11-46	19-33	2-61	75-58
		Julpigoree ...	10-01	18-00	36-58	27-12	35-90	1-58	129-19
		Alipore Doar ...	12-80	37-54	22-11	30-93	30-85	6-27	140-50
		Fallacotta ...	13-38	22-29	18-29	25-07	22-44	1-93	103-40
	Cooch Behar ...	Debiganj ...	?	11-24	20-35	13-28	21-81	1-71	68-39P
		Dinhatta ...	8-95	14-28	16-90	11-77	31-44	2-47	85-81
		Cooch Behar ...	11-50	23-98	18-76	21-14	32-19	4-64	112-21
		Mickligunge ...	12-01	18-64	32-12	24-52	2-61	2-02	118-92
		Matabhanga ...	9-84	26-36	22-07	28-16	28-55	2-17	117-15
	Darjeeling Hill.	Buxa ...	16-13	44-45	57-07	66-33	41-13	2-67	227-78
		Siliguri ...	8-27	37-25	28-59	46-36	22-48	2-23	145-18
		Darjeeling ...	8-98	22-18	27-69	37-47	20-26	1-99	118-57
		Kalimpong ...	5-45	17-60	14-87	25-79	9-23	1-71	74-65

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
NORTH BEHAR.	Purneah	Kissengunge ...	8.29	12.49	24.19	29.56	29.57	1.15	105.25
		Arrareah ...	7.91	7.32	30.42	18.49	22.53	2.69	89.36
		Purneah ...	2.35	10.14	17.52	28.17	20.16	2.63	80.97
		Gonawara ...	2.12	?	?	?	?	?	?
		Balarampore ...	1.54	5.55	?	21.54	29.59	2.24	60.46
		Motiari ...	11.79	10.24	16.66	20.26	19.92	1.00	79.87
		Kahugang ...	5.70	?	?	?	?	?	?
	North Bha- guipore.	Maddapore ...	3.19	9.26	14.77	14.83	11.42	4.62	58.09
		Soopool ...	8.94	7.85	14.36	12.95	10.76	2.94	57.80
		Protugganj ...	5.98	6.47	17.49	13.15	19.23	1.86	64.28
	Durbhunga	Tajpore ...	6.02	8.54	19.43	24.25	10.31	9.52	78.07
		Durbhunga ...	2.10	5.06	14.57	18.82	9.89	5.38	55.82
		Madhubani ...	4.01	9.48	16.33	16.08	9.88	1.62	57.40
		Bahara ...	2.20	4.61	12.92	24.26	21.11	3.86	68.06
		Rashera ...	1.35	7.88	19.49	15.38	19.82	5.63	69.55
	Mozufferpore	Sitamardi ...	4.20	3.70	14.46	12.06	17.03	3.74	55.22
		Mozufferpore ...	3.92	6.77	14.30	20.61	14.39	6.00	65.99
		Hajipore ...	1.95	4.04	21.43	13.80	12.22	5.32	58.76
		Para ...	1.64	4.88	15.90	18.11	5.92	4.36	50.81
		Mahua ...	1.58	3.60	14.27	12.55	11.47	11.15	54.62
		Sinhar ...	3.10	8.11	10.76	19.17	9.32	9.61	60.07
		Fupri ...	5.64	4.35	13.87	17.05	13.02	3.83	57.76
	Chumpanun	Motihari ...	4.20	4.11	12.99	15.50	13.17	3.88	53.85
		Bettiah ...	4.73	4.60	16.52	24.67	11.57	7.94	70.03
		Bagaha ...	9.44	4.88	16.31	23.62	5.04	3.24	62.53
		Burhura ...	2.34	3.97	11.51	10.09	15.17	6.14	49.22
	Sarun	Gopalgunge ...	3.28	5.28	22.35	9.40	11.13	6.55	57.99
		Sewan ...	2.78	4.03	21.56	13.87	7.94	8.75	58.93
		Chuprah ...	3.50	5.73	25.62	11.89	9.08	12.23	68.05
	Shahabad	Buxar ...	0.56	8.87	15.71	5.15	10.63	7.67	47.99
		Dehree ...	0.30	2.27	13.84	9.62	12.99	9.37	48.39
		Blubooah ...	1.86	7.72	16.67	8.71	7.97	8.42	51.41
		Sasseram ...	0.56	6.46	15.62	6.49	15.05	7.70	51.88
		Arrah ...	1.22	7.11	17.23	15.28	14.78	11.46	67.11
		Durgaoti ...	?	5.30	9.15	4.77	3.35	5.10	27.67
SOUTH BEHAR.	Gya	Aurangabad ...	1.28	8.43	13.72	13.47	18.04	9.08	64.02
		Gya ...	1.53	5.93	20.66	14.09	16.86	5.81	64.88
		Nowadah ...	3.01	5.83	14.07	13.68	17.63	8.70	62.92
		Jehanabad ...	1.42	5.80	16.25	14.93	16.87	7.39	62.66
		Arwal ...	2.28	4.02	14.65	11.49	12.89	8.35	53.68
		Daudnagar ...	0.40	6.20	21.17	6.54	12.70	6.20	53.21
		Sherghati ...	0.50	5.22	9.59	7.21	18.35	16.09	56.96
		Rajauli ...	5.30	?	?	7.45	?	8.80	21.39
		Lakri Barautun ...	2.20	4.52	20.50	27.65	6.75	5.02	66.64
	Patna	Patna ...	1.52	4.83	22.09	18.27	12.11	5.84	64.66
		Dinapore ...	1.65	4.23	25.96	19.03	10.54	8.80	70.21
		Behar ...	1.38	5.40	14.43	10.20	14.76	6.70	52.87
		Barth ...	2.00	3.55	19.10	10.50	11.10	3.55	49.80
	Monghyr	Beegooserai ...	1.31	9.20	8.98	9.78	11.73	8.07	49.07
		Monghyr ...	3.15	6.39	17.30	11.05	21.67	4.88	64.44
		Jamui ...	2.08	8.47	17.87	8.53	11.11	9.50	57.56
		Goyri ...	0.61	6.29	11.83	12.79	17.20	2.87	51.59
		Sheikpura ...	3.68	5.08	13.57	11.83	14.47	12.74	61.37
	South Bha- gulpore.	Bhagulpore ...	2.06	7.08	13.23	10.47	25.61	3.76	62.81
		Banka ...	5.86	11.17	10.85	9.97	15.60	5.97	59.42
		Kotgong ...	1.66	6.76	13.35	6.20	15.91	6.80	50.63

HYDROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
SOUTH BHAR —concluded.	Sonthal Per- gunnabs.	Rajmehal ..	5.82	13.83	15.06	10.84	39.07	3.24	87.86
		Godah ...	5.58	6.26	11.58	15.46	12.21	3.83	54.92
		Pakour ...	6.95	12.31	18.87	16.51	23.76	5.92	84.32
		Nya Doomka ...	3.78	9.40	18.56	15.99	1.85	2.81	72.39
		Deoghur ...	5.05	9.07	12.57	12.19	15.77	5.20	60.45
		Jamtara ...	4.23	9.38	12.81	12.93	16.74	11.16	67.25
		Simra ...	4.76	8.34	12.95	11.64	15.12	2.80	55.61
		Nanihat ...	6.11	7.75	12.98	13.56	?	?	40.40?
	Hazaribagh	Pachamba (Giridi) ...	2.60	6.09	11.83	14.87	16.33	7.74	59.46
		Hazaribagh ...	3.72	6.44	11.63	12.15	9.47	11.88	55.29
		Semtagurah ...	2.73	4.95	10.90	10.70	8.58	12.55	50.41
		Mahudi Hills ...	0.77	8.92	12.14	14.28	10.68	8.30	55.09
		Jhoomra Hills ...	2.40	7.70	8.50	12.50	17.40	11.40	59.90
		Barhi ...	2.04	6.10	16.15	8.71	19.72	12.10	64.82
		Chatra ...	2.15	7.06	17.45	10.47	18.91	9.07	65.11
		Karagdiha ...	1.95	8.95	14.75	13.46	8.86	10.48	58.45
CHUTIA NAGPUR.	Lohardugga	Ranighat ...	1.55	7.19	12.49	8.61	8.38	12.88	51.10
		Lohardugga ...	5.02	12.08	13.18	8.85	11.58	6.17	56.88
		Ranchee ...	4.40	7.24	11.66	13.90	8.92	6.53	52.65
		Palamow ...	2.14	6.63	6.41	7.91	14.04	9.35	46.48
		Silli ...	0.47	3.40	19.70	?	9.70	3.60	36.87?
		Bakumat ...	—	5.60	10.70	6.59	22.56	5.30	50.75
	Singbhoom	Hosseinabad ...	0.25	5.24	10.32	—	—	9.13	24.94
		Garwah ...	2.34	7.39	9.95	15.20	16.59	7.77	59.24
		Obyebassa ...	5.33	7.52	13.62	5.50	6.33	5.10	43.40
		Chakradharpore ...	3.80	7.21	17.21	7.46	13.68	6.90	56.26
	Manbhoom...	Ghatilla ...	4.73	3.98	15.81	12.15	11.65	7.04	55.36
		Baharagura ...	5.36	9.54	9.59	8.50	9.40	6.83	49.22
		Purulia ...	4.12	5.78	12.36	7.38	12.66	2.86	45.16
		Gobindpore ...	1.47	5.11	11.10	9.04	12.76	8.94	48.42
		Raghnathpore ...	5.51	6.96	11.35	9.08	14.71	5.51	58.12
		Barrabhoom ...	2.96	4.33	12.92	5.50	6.08	5.49	37.28
		Jhalda ...	?	4.68	?	10.15	?	5.19	20.02?
		Chas ...	4.46	5.35	14.29	12.72	13.77	8.62	59.21

TABLE V.

Variation of the Sub Divisional actual Monthly Rainfall from the normal average for the months May to October 1886.

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
ORISSA	Poores	Poores	+0.75	-0.82	+0.32	-4.73	+4.65	-2.16	-1.91
		Khurdah	+2.35	+2.02	-4.26	-3.53	+6.90	+2.42	+5.91
		Bampur	-1.34	-3.57	-1.46	+1.91	+7.35	+6.66	+9.51
		False Point	+1.50	-1.71	+3.66	-6.27	+3.73	-5.04	-4.11
	Cuttack	Jagatsingapore	-1.08	+7.55	+2.97	+0.16	+5.97	+0.66	+16.21
		Banki	+1.46	+2.31	-1.36	+0.41	-0.41	+4.06	+6.41
		Cuttack	+2.21	+9.35	1.53	-2.52	+4.21	+6.00	+17.71
		Kendrapara	+0.48	+2.88	-0.13	-6.00	+1.44	+2.50	+1.11
		Jajpore	-1.52	+3.44	-3.30	+4.94	+4.30	+0.41	+8.21
	Balasore	Chandbali	+1.58	+2.72	-4.74	-2.66	+4.97	-1.24	+0.61
		Bhuddruck	+4.00	+1.91	-4.06	-3.46	+6.32	-0.28	+4.41
		Sorah	+1.87	+3.95	-1.50	-1.69	+4.63	+1.10	+8.31
		Balasore	+1.13	+4.03	-0.74	-0.61	+5.09	-1.21	+7.61
		Jellasore	+0.52	+9.41	-0.60	-3.71	+3.42	+0.17	+9.21
		Baripodah	+1.88	-0.01	-3.24	-1.94	+4.14	-0.39	+0.41
	Midnapore	Contai	-0.20	-3.02	-2.88	-10.40	+2.50	-5.01	-19.01
		Saugor Island	-1.03	-2.10	-2.86	-6.99	+7.64	-0.44	-5.71
		Tumlook	+2.33	+1.25	+0.15	-6.50	+2.72	-1.88	-1.91
		Midnapore	+2.25	-2.52	-2.65	-0.82	+0.21	-0.66	-4.11
		Ghattul	+3.00	-1.74	+0.75	-4.06	+1.92	-1.05	-1.11
		Gurhatta	+2.99	+0.58	-1.58	-4.99	+2.07	+1.38	+0.41
	24-Pergunnahs	Diamond Harbour	+1.30	-4.30	+0.82	-5.62	+4.24	-1.80	-5.31
		Alipore Jail	+2.48	+1.36	+2.55	-4.82	+5.50	-0.72	+6.21
		Barrackpore	+1.01	-3.19	+3.45	+1.98	+4.78	-0.62	+7.41
		Dum-Dum	+1.71	-1.16	+2.09	+0.03	+2.87	-3.10	+2.41
		Baraset	+0.50	+1.38	+1.31	+1.78	+3.07	-1.68	+6.31
		Buseerhat	+4.74	-3.14	+2.88	+0.90	+6.86	+1.55	+13.71
	Howrah	Howrah	+3.70	-2.23	+1.67	-4.34	+3.10	+0.32	+2.21
		Mohesreka (Ootoberiah).	+1.07	-0.16	+3.70	-4.94	+3.65	+0.76	+4.01
	Hooghly	Serampore	+1.34	-3.29	+2.99	+1.12	+6.24	-1.71	+6.61
		Hooghly	+3.05	-1.56	+3.37	-2.29	+3.49	-2.27	+3.71
		Jehanabad	-0.50	+4.75	+7.18	-6.27	+0.82	-0.44	+5.51
SOUTH-WEST BENGAL.	Burdwan	Culna	+5.97	-1.00	+1.59	+1.31	+4.41	+0.45	+12.71
		Burdwan	+3.12	+0.73	+5.08	-3.40	+5.59	-2.30	+8.81
		Cutwa	+6.54	-4.78	+2.15	-1.65	+1.50	+0.18	+3.91
		Raneegunge	+0.57	+0.63	+17.68	-4.49	+2.74	+0.03	+17.11
	Bankoora	Bankoora	+1.70	-3.28	+1.52	-1.16	+2.02	-1.75	-0.91
		Bishenpore	+2.60	-2.76	+1.77	-4.72	+2.14	-1.06	-2.01
		Maliara	+2.47	-1.36	+4.51	+1.54	+2.19	-1.49	+7.81
		Khutra	+0.88	-3.85	-1.57	-3.80	-0.59	+0.35	-8.51
		Raipur	+2.02	+0.51	+4.01	-5.10	-1.00	+1.98	+2.41
	Beerbhoom	Bh. Soory	+1.35	+0.52	+1.52	+1.08	+7.38	+1.67	+13.51
		Hetampore	+0.09	-2.65	+13.09	-3.72	+4.84	-1.17	+10.41
		Rampore Haut	+1.55	-4.37	+7.01	+3.14	+3.87	+1.67	+12.81
	Nuddea	Ranaghat	+4.08	+0.15	+4.39	-5.13	+3.12	-0.56	+6.01
		Kishnaghur	+1.71	-1.88	+0.81	+2.43	+4.65	-1.32	+6.41
		Choondanga	+7.92	-3.33	+4.65	+2.82	-4.07	-1.28	+6.71
		Meherpore	+5.54	-3.73	+2.38	+1.09	+1.21	+0.01	+6.61
		Kooshtea	+3.03	-2.10	+4.67	+4.98	+2.22	-0.09	+12.71

HYDROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
SOUTH-WEST BENGAL. —conclld.	Khoolna ...	Sutkira ...	+3.09	—6.38	+2.43	+0.44	+3.39	+1.71	+4.68
		Bagirhat ...	—1.29	+0.34	+4.31	+4.24	+4.41	+2.25	+14.26
		Khoolna ...	+3.76	—0.39	—3.53	—1.86	+0.41	—2.48	—4.09
	Jessore ...	Narail ...	+3.12	—0.47	+0.64	+2.25	+3.49	—1.25	+7.78
		Jessore ...	+0.69	—4.44	+4.23	+5.93	+4.61	—0.56	+10.46
		Jhenidah ...	+9.13	—2.47	+3.62	—0.50	—0.11	+0.54	+10.21
		Magoora ...	+13.43	+0.67	+2.58	—3.11	+1.02	+2.33	+16.92
	Bongong ...	+5.94	—2.22	+2.07	—6.11	+5.69	+0.43	+5.80	
	Moorsheadabad ...	Kandi ...	+0.75	—2.45	+3.61	—0.33	+0.26	+0.34	+2.18
		Berhampore ...	+0.54	—1.75	+1.63	+1.01	+7.53	—1.59	+7.37
		Lalbagh ...	+0.34	+0.73	+5.09	+1.10	+2.65	+0.08	+9.99
		Azingunge ...	+1.10	+2.87	+0.62	+2.14	+3.86	—0.58	+10.01
		Jungipore ...	+0.98	+3.79	+1.94	+3.70	+9.51	—0.58	+19.34
		Lalgola ...	+0.85	+1.61	+2.23	+1.53	+2.22	—0.66	+7.78
	Chittagong...	Cox's Bazar ...	—2.85	—7.53	—0.83	+4.19	+0.78	+3.95	—2.29
		Chittagong ...	+2.47	+17.42	—2.29	+12.25	+0.86	—0.82	+29.89
	Chittagong Hill Tracts.	Rangumati ...	—0.27	+6.79	+9.22	+3.36	—1.07	—3.52	+14.51
		Ruma ...	+0.26	+5.81	+4.05	+1.59	—2.55	—5.01	+4.15
	Backergunge	Patuakhally ...	+1.39	—3.40	—6.12	+0.34	—0.34	—1.90	—10.03
		Perozepore ...	+5.57	+0.93	+5.23	+0.64	—2.61	—2.00	+7.76
Burrisal ...		+2.40	—3.96	—0.21	+0.44	—1.02	—1.51	—6.86	
Bhola ...		+1.34	—3.73	+1.87	+0.89	—1.37	+4.42	+3.42	
Noakholly ...	Noakholly ...	+0.53	+2.70	+7.34	+7.73	+0.28	—4.88	+13.70	
	Fenny ...	—2.38	+1.44	+14.98	+5.25	—3.11	+0.09	+16.27	
Furzedpore	Madaripore ...	—1.95	+4.63	+2.85	+6.50	+1.03	—2.55	+10.51	
	Furzedpore ...	+6.93	—5.69	+1.28	+1.02	+2.92	—2.12	+4.34	
	Goalundo ...	+5.92	—4.18	+1.82	—0.21	+3.42	—2.74	+4.03	
Dacca ...	Munshigunge ...	+2.29	+4.69	+6.10	+8.73	+4.33	—2.29	+23.85	
	Dacca ...	—1.59	+1.51	+3.50	+6.99	+1.62	—3.39	+8.64	
	Naraingunge ...	+1.09	+3.59	+4.78	+9.91	+3.14	—1.51	+21.00	
	Manickgunge ...	+0.72	—4.66	+0.83	+5.24	+2.80	+0.94	+5.87	
Hill Tipperah	Agartola ...	+1.42	—6.31	+4.82	+8.02	—0.08	—2.49	+5.38	
	Comilla ...	+2.00	—3.51	+4.46	+8.90	+2.13	—3.14	+10.84	
Tipperah ...	Chandpore ...	+0.57	+0.87	+2.06	+1.48	+6.01	—3.92	+7.07	
	Brahmunberia ...	+3.01	—8.96	+6.84	+8.07	+4.14	—2.42	+10.68	
Mymensingh	Kishoregunge ...	—2.04	—8.56	+2.56	+14.95	—1.49	—2.85	+2.57	
	Atia ...	—1.32	—5.37	—2.15	+6.54	+0.10	+0.01	—2.19	
	Mymensingh ...	—2.04	—7.12	—2.83	+3.53	+1.49	—2.56	—9.53	
	Janalpore ...	—1.86	—7.70	—2.98	—0.31	+8.47	—2.02	—6.40	
	Netrokona ...	+0.18	+0.24	+0.12	+11.53	—0.49	—5.39	+6.19	
Pubna ...	Pubna ...	+1.09	—5.50	—0.52	+4.59	+4.08	+0.68	+4.42	
	Serajgunge ...	—0.79	—2.38	—1.15	+3.81	+5.02	—3.16	+1.35	
Bogra ...	Sherpore ...	—1.00	+0.26	—0.03	+3.53	+2.88	—2.61	+3.03	
	Nowkhilla ...	+3.06	—5.11	—1.35	+8.93	+2.89	—2.33	+6.09	
	Bogra ...	+0.06	—4.20	—5.34	+4.86	+5.25	—2.10	—1.47	
	Panchbibi ...	+5.14	—0.09	—2.25	+1.50	+11.68	+0.03	+61.01	
Rajshahye ...	Beaulah ...	+1.10	+1.02	+3.40	+1.35	+4.10	—2.89	+8.08	
	Nattore ...	+0.35	—1.59	—2.17	+0.29	+5.31	—1.57	+6.62	
Maldah ...	Maldah ...	+0.52	+4.74	+2.26	+1.92	+9.98	+3.10	+22.52	
	Chanchal ...	—1.36	—7.98	+0.61	—4.92	+7.65	—1.47	—7.47	

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
NORTH BENGAL. —concl'd.	Dinagopore	Mohadehpore ...	+1.38	-2.61	+1.64	-1.27	+19.50	+1.55	+20.19
		Churamon ...	+0.55	-5.65	+4.37	+2.17	+9.99	-1.18	+10.25
		Raigunge ...	+0.15	5.61	+2.23	+9.63	+24.65	-1.37	+29.68
		Dinagopore ...	+8.64	-9.65	-2.59	-0.19	+8.18	-2.39	+2.00
		Baloorghat ...	+3.16	-3.08	-4.26	-1.17	+12.18	-2.25	+4.58
	Rungpore ...	Bhawanigunge (Gyabunda) ...	+4.49	-7.31	-2.57	-1.85	+2.69	-4.06	-8.61
		Rungpore ...	+2.73	-10.39	-3.50	+1.02	+5.62	-3.50	-8.02
		Kurigram ...	+7.06	-2.69	-2.04	+5.84	+6.35	-0.43	+14.09
		Hugdogra (Nilphamari) ...	+4.47	-11.38	+0.58	-3.15	+8.03	-2.69	-4.14
	Julpigoree ...	Julpigoree ...	-1.20	-10.62	+10.32	+1.50	+11.61	-3.95	+7.66
	Cooch Behar	Dinhatta ...	-5.4	-18.87	-0.31	-2.49	+8.59	-2.97	-21.47
		Cooch Behar ...	-3.07	-11.69	-4.18	-0.37	+9.38	-0.97	-10.70
		Mickligunge ...	-0.72	-8.58	+9.77	+2.44	+6.00	-2.74	+6.17
		Matabhanga ...	-3.67	-5.30	+0.02	+5.59	+3.92	-3.72	-3.16
	Darjeeling Hill.	Buxa ...	-4.86	-0.83	+8.36	+22.41	+8.72	-7.78	+26.02
		Siliguri ...	+1.83	+14.69	+1.50	+21.13	+1.96	-2.04	+48.07
		Darjeeling ...	+1.72	-3.37	-3.18	+10.75	+1.93	+4.64	+2.91
		Kalimpong ...	-0.63	-1.82	-5.37	+2.85	-1.56	-3.53	-10.65
	Purneah ...	Kissengunge ...	+2.94	-3.11	+7.19	+13.68	+15.31	-2.09	+33.92
		Arrareah ...	+2.68	-5.82	+13.96	+4.94	+8.69	-0.84	+23.61
		Purneah ...	-0.93	-1.06	+3.21	+13.62	+5.75	-1.36	+19.23
	North Bha- gulpore.	Muddapore ...	-0.37	+0.66	+2.93	+2.93	+1.38	-0.04	+7.49
		Seepool ...	+5.41	-1.28	+3.00	+1.43	+0.83	+0.18	+9.57
	Durbhunga	Tajpore ...	+3.97	+1.22	-6.91	+13.81	+1.95	+6.31	+34.17
		Durbhunga ...	-0.18	-2.56	-2.61	+7.64	+0.01	+2.41	+9.99
		Madhubani ...	+1.21	+1.17	+5.63	+6.09	-0.57	-0.9	+12.63
NORTH BEHAR —concl'd.	Mozufferpore	Sitamarhi ...	+1.60	-3.78	+3.60	+2.95	+7.31	+1.22	+12.88
		Mozufferpore ...	+1.58	+0.14	+3.46	+9.65	+5.65	+2.86	+23.34
		Hajipore ...	+0.43	-2.74	+9.35	+3.32	+4.75	+1.28	+16.39
	Chumparun	Motihari ...	+1.78	-3.89	+1.92	+3.08	+4.62	+0.33	+7.84
		Bettiah ...	+2.02	-3.78	+3.54	+12.07	+1.98	+4.59	+20.42
	Sarun	Gopalgunge ...	+0.42	-1.37	+8.87	-1.38	+4.47	+1.04	+12.05
		Sewan ...	+1.00	-2.79	+9.50	+3.10	-0.86	+4.85	+14.80
		Chuprah ...	+2.24	-0.59	+14.90	+2.55	+1.68	+9.27	+30.05
	Shahabad	Buxar ...	-0.17	+3.93	+4.46	-4.87	+3.29	+3.82	+10.45
		Bhuboah ...	+0.82	+2.32	+4.25	-2.84	+1.19	+5.29	+11.03
		Sasseram ...	+0.40	+1.15	+3.79	-5.20	+7.92	+4.07	+11.33
		Arrah ...	-0.05	+0.44	+4.61	+5.03	+6.26	+8.53	+24.82
SOUTH BEHAR.	Gya	Aurangabad ...	+0.03	+2.87	+1.65	+0.62	+10.55	+6.22	+21.94
		Gya ...	+0.35	-0.29	+8.73	+4.53	+9.82	+3.34	+26.42
		Nowadah ...	+1.04	+0.20	+2.37	+2.97	+10.52	+6.00	+23.10
		Jehanabad ...	-0.04	+0.69	+3.92	+2.61	+11.26	+4.20	+22.74
	Patna	Patna ...	+0.01	-2.03	+11.57	+8.35	+3.96	+2.93	+24.79
		Dinapore ...	+0.40	-2.29	+14.45	+7.46	+3.53	+5.63	+29.11
		Behar ...	-0.65	-1.19	+1.59	-0.43	+8.16	+3.86	+10.84
		Barrh ...	-0.08	-1.60	+6.61	+0.92	+3.38	+0.36	+9.24
	Monghyr	Beegooserai ...	-0.70	+3.00	-2.16	+0.02	+4.60	+4.86	+9.62
		Monghyr ...	+1.33	-0.36	+6.02	+0.32	+13.23	+0.95	+21.47
		Jamui ...	+0.10	+1.90	+5.47	-2.93	+3.61	+6.85	+15.00

CLIMATOLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
SOUTH BEHAR.	South Bha- gulpore.	Bhagulpore ...	+0.21	-1.19	+2.02	-0.27	+17.55	-0.38	+17.94
		Banka ...	+3.56	+3.32	+0.16	-1.30	+7.26	+2.45	+15.45
	Sonthal Per- gunnahs.	Rajmehal ...	+1.77	+3.18	+2.09	+0.88	+26.41	+0.09	+34.42
		Godah ...	+2.93	-0.74	+0.67	+3.84	+2.11	+0.64	+9.45
		Pakour ...	+2.75	+0.75	+7.25	+4.32	+11.53	+1.69	+28.29
		Nya Doomka ...	+0.61	+0.12	+4.76	+2.33	+11.15	-1.41	+17.56
		Deoghur ...	+2.17	+1.38	-0.84	+0.83	+6.86	+0.57	+10.97
		Jamtara ...	+1.11	+0.88	-0.64	+0.13	+8.70	+7.87	+18.05
	Hazari- bagh	Pachamba ...	+0.46	-2.20	-1.35	+2.50	+7.41	+4.45	+11.27
		Hazari- bagh ...	+2.12	-1.89	-0.99	-0.58	+1.50	+8.47	+8.63
		Semtagurah ...	+0.15	-3.91	-0.91	-1.66	+0.22	+9.34	+3.23
		Mahudi Hills ...	-1.08	+1.76	-0.24	+0.92	+1.70	+5.59	+8.65
		Jhoomrah Hills ...	-0.50	-3.58	-9.04	-2.45	+4.65	+7.23	-3.69
NUTIA NAGPUR.	Lohardugga	Ranchoe ...	+2.36	-0.39	-0.58	+1.93	+0.67	+3.34	+7.33
		Palamow ...	+0.99	+0.38	-5.81	-3.69	+6.13	+6.51	+4.51
	Singbhoom	Chyebassa ...	+1.85	-0.89	-0.50	-8.07	-2.91	+1.85	-8.67
	Manbhoom...	Purulia ...	+1.53	-2.34	+1.23	-5.18	+4.90	-0.92	-1.78
		Gobindpore ...	-0.40	-2.37	-1.15	-3.64	+5.31	+4.56	+2.31

TABLE VI.

Percentage variation of the monthly Rainfall of the Sub-divisional Rainfall-registering Stations in Bengal, from the normal average rainfall for the months May to October 1886.

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
ORISSA	Pooree	Pooree	+ 29	- 10	+ 3	-43	+46	- 26	- 4
		Khurdah	+ 67	+ 21	- 33	-28	+65	+ 34	+10
		Bampur	- 61	-46	- 13	+17	+70	+102	+19
		False Point	+ 46	- 18	+ 26	-46	+33	- 48	- 7
	Cuttack	Jagatsingapore	- 42	+ 92	+ 26	+ 2	+67	+ 9	+34
		Banki	+ 58	+ 20	- 11	+ 5	- 4	+ 86	+13
		Cuttack	+ 68	+ 88	- 12	-23	+43	+104	+33
		Kendrapara	+ 13	+ 33	- 1	-47	+15	+ 39	+ 2
		Jajpore	- 38	+ 34	- 25	+46	+42	+ 7	+15
	Balasore	Chandbali	+ 36	+ 33	- 39	-23	+43	- 19	+ 1
		Bhuddruck	+ 84	+ 21	- 33	-32	+57	- 6	+ 8
		Sorah	+ 41	+ 58	- 12	-15	+40	+ 19	+16
		Balasore	+ 24	+ 39	- 6	- 5	+40	- 18	+13
		Jellasore	+ 15	+115	- 4	-34	+52	+ 4	+17
		Baripodah	+ 40	0	- 25	-16	+54	- 9	+ 1
	Midnapore...	Contai	- 4	- 28	- 20	-73	+21	- 57	-29
		Saugor Island	- 22	- 18	- 18	-45	+60	- 5	- 8
		Tumlook	+ 47	+ 14	+ 1	-46	+32	- 41	- 4
		Midnapore	+ 43	- 25	- 22	- 7	+ 3	- 13	- 8
		Ghatal	+ 57	- 17	+ 6	-26	+22	-29	- 2
		Garbetta	+ 66	+ 8	- 13	-40	+21	+ 43	+ 1
	24-Pergunnahs.	Diamond Harbour	+ 25	-43	+ 6	-39	+39	- 34	- 9
		Alipore Jail	+ 47	+ 13	+ 19	-35	+56	- 16	+11
		Barrackpore	+ 20	- 35	+ 29	+16	+63	- 18	+15
		Dum-Dum	+ 30	- 12	+ 17	0	+32	- 72	+ 5
		Baraset	+ 8	+ 14	+ 12	+15	+34	- 37	+12
		Busserhat	+ 70	- 29	+ 23	+ 7	+77	+ 36	+24
SOUTH-WEST BENGAL.	Howrah	Howrah	+ 75	- 20	+ 13	-35	+33	+ 7	+ 4
		Mohesaka (Oolooberah.)	+ 17	- 2	+ 28	-37	+42	+ 21	+ 7
	Hooghly	Serampore	+ 28	- 33	+ 23	+ 9	+77	- 40	+13
		Hooghly	+ 52	- 15	+ 28	-18	+44	-56	+ 7
		Jehanabad	- 10	+ 49	+ 57	-38	+ 9	- 10	+10
	Burdwan	Culna	+ 26	- 12	+ 15	+11	+66	+ 11	+27
		Burdwan	+ 63	+ 7	+ 41	-27	+63	-50	+17
		Cutwa	+138	-49	+ 22	-14	+18	+ 4	+ 8
		Raneegunge	+ 19	+ 7	+128	-33	+37	+ 1	+36
	Bankoora	Bankoora	+ 50	- 33	+ 12	-10	+23	- 37	- 2
		Bishenpore	+ 48	- 27	+ 16	-34	+22	- 39	- 4
		Muliara	+ 86	- 15	+ 34	+11	+33	- 36	+16
		Khatra	+ 27	- 37	- 10	-28	- 6	+ 7	-15
		Raipur	+ 51	+ 6	+ 36	-32	- 9	+ 53	+ 5
	Beerbhoom...	Bh. Soory	+ 45	+ 5	+ 12	+ 8	+74	+ 45	+25
		Hatampore	+ 3	- 22	+ 92	-30	+44	- 42	+19
		Rampore Haut...	+ 52	-46	+ 65	+24	+34	+ 42	+25
	Nuddea	Ranaghât	+ 78	+ 2	+ 43	-40	+46	- 14	+12
		Kishnaghur	+ 27	- 19	+ 8	+22	+59	- 29	+13
		Chooadanga	+ 98	- 35	+ 48	+23	-40	- 28	+12
		Meherpore	+ 11	- 38	+ 24	+ 9	+15	0	+13
		Kooshtea	+ 42	- 19	+ 42	+41	+22	- 2	+22

HYDROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
SOUTH- WEST BENGAL— concl'd.	Khoolna ...	Satkira ...	+50	-50	+20	+4	+37	+37	+8
		Bagirhat ...	-19	+2	+29	+33	+43	+44	+22
		Khoolna ...	+58	-3	-30	-15	+4	-58	-7
	Jessore ...	Narail ...	+45	-4	+7	+21	+46	-37	+16
		Jessore ...	+9	-33	+36	+50	+50	-10	+18
		Jhenidah ...	+138	-19	+37	-4	-1	+12	+18
		Magoora ...	+164	+6	+24	-31	+12	+61	+32
		Bongong ...	+97	-22	+19	-46	+72	+9	+11
	Moorshed- abad.	Kandi ...	+18	-27	+30	-3	+3	+8	+4
		Berhampore ...	+11	-18	+16	+9	+7	-30	+15
		Lalbagh ...	+8	+5	+50	+9	+26	+2	+20
		Azingunge ...	+26	+32	+6	+17	+41	-11	+20
		Jungipore ...	+32	+44	+18	+32	+89	-16	+39
		Lalgaiah ...	+7	+19	+20	+14	+20	-14	+15
	Chittagong ..	Cox's Bazar ...	-27	-1	-2	+15	+5	+50	-2
		Chittagong ...	+27	+74	-10	+57	+6	-14	+31
	Chittagong Hill Tracts.	Rangamati ...	-2	+36	+48	+18	-8	-49	+16
		Ruma ...	+3	+26	+24	+11	-20	-64	+5
	Backergunge	Patuakhully ...	+16	-15	-28	+2	-3	-30	-11
		Perozepore ...	+8	+6	+33	+4	-23	-35	+11
		Burrisal ...	+31	-33	-1	+3	34	-33	-10
		Bhola ...	+18	-16	+10	+5	-11	+77	+4
	Noakholly ..	Noakholly ...	+6	+11	+35	+34	+2	-65	+13
		Fenny ...	-20	+5	+63	+22	-19	+2	+15
	Furreedpore	Madaripore ...	-21	+34	+32	+51	+12	-60	+17
		Furreedpore ...	+71	-43	+10	+8	+30	-48	+7
		Goalundo ...	+76	-37	+15	-2	+38	-57	+7
	Dacca ...	Munshigunge ...	+24	+28	+38	+57	+34	-41	+31
		Dacca ...	-17	+11	+27	+56	+16	-65	+14
		Naraingunge ...	+11	+26	+44	+82	+24	-10	+31
		Maniesgunge ...	+8	-47	+7	+45	+33	+24	+11
EAST BEN- GAL.	Hill Tipperah...	Agartolah ...	+13	-41	+40	+59	-1	-51	+8
	Tipperah ...	Comilla ...	+19	-19	+24	+54	+8	-61	+13
		Handpore ...	+6	+5	+13	+7	+45	-60	+8
		Brahmunberia ...	+28	-58	+61	+64	+45	-50	+16
	Mymensingh	Kishoregunge ...	-19	-46	+19	+111	-11	-53	+3
		Atia ...	-18	-41	-19	+53	+1	+0	-4
		Mymensingh ...	-17	-34	-17	+24	+10	-47	-11
		Jamalpore ...	-21	-51	-23	-2	+59	-40	-9
		Netrokona ...	+2	+1	+1	+65	-3	-80	+8
	Pubna ...	Pubna ...	+15	-46	-5	+35	+36	+4	+8
		Seraigunge ...	-10	-22	-10	+33	+51	-72	+8
	Bogra ...	Sherpore ...	-12	+2	0	+27	+28	-62	+5
		Nowkhilla ...	+39	-42	-12	+80	+30	-46	+11
		Bogra ...	+1	-28	-33	+39	+44	-44	-2
		Panchbibi ...	+74	-1	-18	+13	+111	+1	+23
	Rajshahye ...	Beaulah ...	+20	+9	+29	+12	+38	-59	+15
		Nattore ...	+5	-15	-18	+2	+46	-34	+1
	Maldah ...	Maldah ...	+14	+47	+21	+19	+92	+70	+45
		Chanchal ...	-30	-64	+5	-33	+69	-47	-13

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL
NORTH BENGAL— concluded.	Dinapore	Mohadehpore ...	+23	-20	+15	-9	+162	+48	+34
		Churamon ...	+14	-46	+35	+20	+78	-43	+19
		Raigunge ...	+3	-41	+18	+76	+226	-39	+50
		Dinapore ...	+120	-57	-17	-1	+63	-49	+3
		Baloorghat ...	+67	-26	-23	-1	+117	-59	+8
	Rungpore ...	Bhawaniunge (Gyabanda) ...	+53	-45	-20	-18	+23	-80	-13
		Rungpore ...	+26	-49	-21	+8	+42	-71	-16
		Kurigram ...	+51	-12	-14	+55	+49	-9	+18
		Bagdogra (Nilphamari) ...	+41	-46	+4	-20	+51	-63	-5
	Julpigoree ...	Julpigoree ...	-11	-37	+39	+6	+48	-71	+6
	Cooch-Bihar	Dinhatta ...	-38	-57	-2	-17	+38	-55	-20
		Cooch Behar ...	-21	-33	-18	-2	+42	-17	-9
		Mickligunge ...	-6	-32	+44	+11	+26	-58	+5
		Matabhanga ...	-27	-17	0	+25	+16	-63	-3
	Darjeeling Hill	Buxa ...	-23	-2	+17	+51	+27	-74	+13
		Siliguri ...	+28	+65	+6	+84	+95	-48	+50
		Darjeeling ...	+24	-13	-11	+40	+11	-70	+3
		Kalimpong ...	-10	-9	-27	+12	-14	-67	-12
	Purneah ...	Kissengunge ...	+55	-20	+42	+86	+07	-64	+48
		Arrareuh ...	+51	-44	+85	+36	+63	-24	+36
		Purneah ...	-28	-10	+22	+94	+40	-34	+31
	North Bhagulpore.	Mandapore ...	-10	+8	+25	+25	+14	-1	+15
		Soopool ...	+153	-14	+27	+12	+9	+7	+20
NORTH BEHAR.	Durbhunga	Tajpore ...	+194	+17	+55	+132	+23	+197	+78
		Durbhunga ...	-8	-34	+22	+68	0	+81	+22
		Madhubani ...	+43	+14	+53	+61	-5	-36	+28
	Mozufferpore	Sitamarhi ...	+62	-51	+33	+32	+75	+48	+31
		Mozufferpore ...	+68	+2	+32	+88	+64	+91	+55
		Hajipore ...	+28	-41	+77	+32	+64	+32	+39
	Chumparun	Motihari ...	+74	-49	+17	+25	+54	+9	+17
		Bettiah ...	+75	-45	+27	+96	+21	+137	+41
	Sarun ...	Gopalgunge ...	+15	-21	+66	-13	+67	+19	+26
		Sewan ...	+57	-41	+79	+29	-10	+124	+34
		Chuprah ...	+179	-9	+139	+27	+23	+313	+79
	Shahabad ...	Buxar ...	-23	+87	+31	-49	+45	+111	+28
		Bhuboah ...	+79	+43	+34	-25	+18	+168	+27
		Sasseram ...	-4	+22	+32	-44	+111	+112	+28
		Arrah ...	-4	+7	+37	+49	+73	+291	+59
SOUTH BEHAR	Gya ...	Aurungabad ...	+2	+52	+14	+5	+141	+218	+52
		Gya ...	+29	-5	+73	+48	+139	+135	+69
		Nowadah ...	+53	+4	+20	+28	+148	+222	+58
		Jehanabad ...	-3	+14	+32	+20	+201	+132	+56
	Patna ...	Patna ...	+1	-30	+110	+84	+49	+101	+62
		Dinapore ...	+32	-35	+126	+65	+50	+178	+71
		Behar ...	-32	-18	+12	-4	+124	+101	+26
		Barrh ...	-4	-31	+53	+10	+44	+11	+24
	Monghyr ...	Begooseraï ...	-35	+48	-19	0	+63	+151	+24
		Monghyr ...	+73	-5	+53	+3	+157	+102	+50
		Jamui ...	+5	+29	+44	-26	+48	+258	+35

METEOROLOGICAL DIVISION.	District.	Station	May.	June.	July.	August.	September	October.	TOTAL.
SOUTH BEHAR — concluded.	South Bha- gulpore ...	Bhagulpore ...	+9	-15	+18	-8	+218	-9	+40
		Banka ...	+155	+42	+2	-12	+87	+70	+35
	Sonthal Per- gunnahs	Rajmehal ...	+44	+30	+16	+9	+209	+3	+64
		Godah ...	+111	-11	+6	+33	+21	+20	+21
		Pakour ...	+65	+6	+62	+35	+94	+40	+50
		Nya Doomka ...	+19	+1	+35	+17	+104	-33	+32
		Deoghur ...	+75	+17	-6	+7	+77	+12	+22
		Jamtara ...	+36	+10	-6	+1	+108	+239	+37
	Hazari- bagh	Pachamba ...	+21	-27	-10	+20	+83	+14	+23
		Hazari- bagh ...	+133	-23	-8	-5	+19	+248	+18
		Semtagurah ...	+6	-44	-8	-13	+3	+291	+7
		Mahudi Hills ...	-58	+25	-2	+7	+19	+206	+19
		Jhoomrah Hills ...	-17	-32	-52	-16	+36	+173	-6
CHITTA NAGPUR.	Lohardugga	Ranchoo ...	+116	-5	-5	+16	+8	+105	+16
		Palamow ...	+86	+6	-48	-32	+77	+229	+14
	Singbhoom...	Chyebassa ...	+53	-11	-4	-59	-31	+57	-17
	Manbhoom...	Purulia ...	+59	-37	+11	-41	+63	-24	-4
		Gobindpore ...	-21	-32	-9	-29	+71	+104	+5

JOHN ELIOT,
Meteorological Reporter to the Government of Bengal.

THE IRON WORKS AT BARAKAR.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

GENERAL—ACCOUNTS.

Dated Calcutta, the 11th January 1887.

The following list of articles that can be manufactured at the Iron Works at Barakar is published for information.

By order of the Lieutenant-Governor of Bengal,

W. B. BESTIC,

*Under-Secretary to the Government of Bengal,**P. W. Dept.**List of Articles that can be manufactured at the Iron Works at Barakar.*

Number of items.	NAMES OF ARTICLES.	Rate per cwt at Barakar.		REMARKS.
		Rs	P.	
1	Pipes (socket), cast-iron ...	4	0 0	Faced joints and drilled bolt holes.
2	Flange pipes, ditto ...	6	0 0	
3	Special piping (bends, tees, &c.) ...	from 7	0 0	
4	Cylinders ...	7	8 0	Per cwt.
5	Pillars and brackets ...	7	8 0	
6	Girders ...	7	8 0	
7	Chairs for rails ...	5	4 0	Per gate.
8	D. O. sleepers (cast-iron parts), metre gauge ...	3	4 0	
9	D. O. sleepers (cast-iron parts), broad gauge ...	3	2 0	
10	Road-rammers ...	5	8 0	Per cwt.
11	Railings ...	from 4	8 0	
12	Gates ...	80	0 0	
13	Monkeys ...	5	0 0	Per cwt.
14	Weights (cast-iron) ...	from 5	0 0	
15	Anvils ...	8	0 0	
16	Axle-boxes, cast-iron parts only ...	6	8 0	For metre gauge railways.
17	Ditto ditto ditto ...	6	8 0	For broad ditto.
18	Fire-bars for engines ...	from 5	0 0	Per piece.
19	Trolley wheels, faced ...	7	0 0	
20	Ploughs (complete) ...	from 3	12 0	
21	Ditto (cast-iron parts only) ...	4	0 0	Ditto.
22	Hand water-lift ...	from 1	2 0	
23	Water-lift for bullock power ...	1	10 0	
24	Castings (cast-iron), of sorts ...	from 30	0 0	Per cwt., according to weight per piece, complication of pattern, and quantity ordered.
		90	0 0	
		3	8 0	
		20	0 0	

N.B.—Further particulars may be obtained from the Superintendent of the Iron Works at Barakar.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 22nd January 1887.

No.	District and date of return.	Rainfall at Sudder station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts.</i>			
BUREAU DIV.	1 Burdwan, Jan. 22, '87	0.01	Weather—cold and damp. Prospects of crops good. Common rice 20 to 23 seers per rupee. Fever still prevails, and cholera in thana Rayna.
	2 Bankura, " 22 "	0.28	Weather—cool and occasionally cloudy. Prospects of <i>rubber</i> crops continue good.
	Bishenpore " " "	0.14	Rain has benefited standing crops. Public health good.
	3 Beerbhoom, " 22 "	0.81	Weather—cold and cloudy. Reaping of <i>aman</i> nearly completed. Price of common rice stationary. Public health generally good.
	Rampore Haut " " "	0.70	
BUREAU DIV.	4 Midnapore, " 22 "	0.26	Weather—cold and stormy. Prospects of crops generally fair. Public health normal.
	5 Hooghly, " 22 "		Weather—cold. All prospects favourable. Public health has improved.
	Howrah, " 24 "	0.41	Rain at end of week followed by a fall in temperature. Rice harvest approaches completion. All prospects good.
	Ooloberiah " " "	0.27	
<i>Central Districts.</i>			
PRESIDENCY DIV.	6 24-Parganah, Jan. 25, '87	0.18	Weather—cold and foggy. Standing crops prospering. <i>Amun</i> paddy is being threshed with good outturn. Isolated cases of cholera reported. Public health otherwise good.
	7 Nuddea, " 22 "	0.40	Weather—damp and cloudy. Prospects of crops continue favourable. Public health has much improved.
	Moherpore " " "	0.15	
	Ranghat " " "	0.57	
	8 Khoolna, " 22 "	0.43	Weather—seasonable. Harvesting of <i>aman</i> nearly complete; outturn satisfactory. Public health good.
PRESIDENCY DIV.	Jessore, " 22 "	0.58	Weather—cool and cloudy in latter part of week with slight rain. Harvesting of <i>aman</i> crop nearly completed. Winter crops doing well. Gathering of mustard has commenced. Fever has abated. Public health fair.
	10 Moorshedabad, " 22 "	1.25	Weather—seasonable. Some heavy rain. Standing crops benefited by rain. Prospects good.
	Lalbagh " " "	1.51	
	Kandi " " "	1.2	
	Jungipore " " "	0.63	
RAJSHAHIE DIV.	11 Dinagapore, Jan. 21, '87	1.36	Weather—cloudy. Heavy rain. A good outturn of <i>rubber</i> expected. Rice 21 to 30 seers per rupee. Cholera reported from two thanas.
	12 Rajshahye, " 22 "	0.92	Weather—overcast. Mustard is being gathered. Sugarcane is being cut and pressed. Cholera and fever have abated; a few cases of cholera still reported from Bagmara thana.
	Nowgong " " "	0.80	
	13 Rangpur, " 22 "	0.95	Weather—overcast. Mustard, potato, &c., are being gathered. Cutting and pressing of sugarcane in progress. Public health fair.
	Niphamari " " "	1.32	
RAJSHAHIE DIV.	14 Bogra, " 22 "	0.66	Weather—very cold and cloudy. Drizzling rain occasionally. Land is being ploughed for <i>aus</i> , jute, and sugarcane. Mustard and pulses progressing. Price of rice steady. Cholera abating.
	Sherpur " " "	0.89	
	Nowkhilla " " "	0.18	
	15 Pabna, " 22 "	0.15	Weather—fine and cool. Some rain and cloud on 20th. Outturn of <i>aman</i> crop very good. Prospects of winter crops good. Public health good.
	16 Darjeeling, " 22 "	0.03	Heavy rain in lower hills and Terai. Snow at Darjeeling 5 inches on 20th and 2 inches on 21st. State and prospects of crops favourable.
RAJSHAHIE DIV.	17 Jalpigoree, " 22 "	1.92	Very unusual weather, excessively cold, and heavy rain lasting over two days. Lower hills covered with snow. Tobacco much injured by hail-snow in places in Alipur subdivision. Otherwise prospects of winter crops fair. Reaping of winter rice nearly over. Public health good.
<i>Eastern Districts.</i>			
DACCA DIVISION.	18 Dacca, Jan. 22, '87	0.21	Weather—cool and foggy. Pressing of sugarcane going on. Pulses are being gathered. Winter crops doing well. Prospects good. Cholera decreasing. Public health otherwise good.
	19 Furreedpore, " 22 "	0.17	Weather—cold and cloudy. <i>Amun</i> paddy harvested; outturn good. General health good.
	20 Backergunge, " 21 "	Nil	Weather—seasonable. Prospects of crops good. Harvesting of <i>aman</i> nearly finished. Fever of a bad type continues to prevail in some places, and a few cases of cholera and small-pox reported.
	21 Mymensingh, " 21 "	Figures not furnished.	General rain on night of 20th. Weather cloudy. Mustard is being gathered. Ploughing for rice general. Prospects good.
	22 Chittagong, " 25 "	2.01	Weather—cold. Reaping of <i>aman</i> nearly over. Rain has much benefited spring crops. Prices steady. A few cases of cholera in the town; public health otherwise good.
CHITTAGONG DIV.	23 Cox's Bazar, " 21 "	Nil	Weather—seasonable, and rainy since night of 20th. Harvesting of <i>aman</i> paddy completed; outturn on the whole good. Winter crops doing well. Cholera prevails in certain places.
	24 Tipperah, " 20 "	0.06	Weather—seasonable. Winter crops promising. Sugarcane is being pressed. Mustard is being reaped. Lands are being ploughed for the next rice crop. Price of rice not very high. Many deaths from cholera reported in north and west.
	25 Chittagong Hill Tracts, " 18 "	Nil	Weather—very cold. Foggy up to 10 A.M. Gathering of cotton nearly over. Sugarcane is being pressed. Prospects of tobacco and chillies not very good. <i>Jam</i> cutting in some parts has commenced.
	26 Hi. Tipperah, " 19 "	Nil	Weather—cold. Prospects of winter crops fair. Tobacco is being cut. Public health good.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.			
26	Patna Jan. 22, '87	0.94	Weather—cold and rainy. Rain on 19th and 20th, it is feared, will do some injury to crops in flower. Public health generally good.
27	" " 22 "	0.42	Weather—clouds and rain till yesterday (21st); clear now. Rice harvest very good. <i>Rubbee</i> very promising. Poppy good in some places, but damaged by grubs to a considerable extent. Public health good.
28	Shahabad " 22 "	0.96	Weather—cool with occasional clouds. Crop prospects continue favourable.
	Ruxar " " "	0.50	Weather unfavourable to poppy, being cloudy, cold, and rainy for some days.
	Sasseram " " "	0.96	Public health fair.
	Bhambhunja " " "	0.30	
29	Darbhanga " 22 "	1.51	Weather—variable; latter part of week cloudy. Rain has, to a certain extent, done injury to <i>rahar</i> and other <i>rubbee</i> crops which are in flower. It will, however, benefit late sowings. Prices rising. Public health generally good.
30	Muzaffarpore " 22 "	1.11	Weather—very cold and stormy with moderate rain, which will injure the earlier <i>rubbee</i> crops, but will benefit the later ones. Caterpillars still reported among the poppy, but it is thought that the outturn will be as good as in last year. Public health good.
	Hajipur " " "	0.60	
	Sitamarhi " " "	1.20	
31	Saran " 22 "	1.25	Weather—cloudy. Prospects of <i>rubbee</i> and poppy continue favourable. Harvesting of paddy completed. Pressing of sugarcane in full progress. Public health good.
	Sewah " " "	1.39	
	Gopalgunge " " "	1.33	
32	Chumparan " 22 "	1.14	Weather—cool and cloudy. Rain somewhat injurious to <i>rubbee</i> crops. Prices stationary. Public health fair.
33	Monghyr Jan. 22 "	2.12	Weather—cold and mostly overcast with occasional morning fogs. Rain heavy for the season, and said to do some injury to pulses in flower; otherwise prospects continue good. Sporadic cholera reported from Bogusserai; otherwise public health generally good. Prices easy.
	Bogusserai " " "	0.55	
	Jamui " " "	0.37	
34	Baughpore " 22 "	1.82	Weather—very cold. Rain has benefited <i>rubbee</i> crops. Mustard and <i>kalai</i> are being reaped. Linseed and <i>kheari</i> in flower. Public health good.
35	Purneah " 22 "	2.34	Weather—cold. Heavy rain of 20th is said to have injured the <i>tori</i> that had been reaped and was waiting to be threshed. Other <i>rubbee</i> crops have been benefited by rain. Public health good.
	Kishengunge " " "	1.02	
	Arrareah " " "	2.02	
36	Maldah " 22 "	1.02	Weather—fine at the beginning of week but rainy and unsettled during the last three days. Winter rice is still being harvested in some parts with good outturn. Harvesting of <i>kalai</i> and mustard also going on, with very fair outturn. Prospects of <i>rubbee</i> crops good. Common rice selling at from 24 to 28 seers per rupee. Public health good.
	Chanchal " " "	0.05	
	Shibgunge " " "	0.90	
	Gazole " " "	0.96	
37	Sonthal Pergar, Jan. 22 "	1.29	Weather—cold and cloudy. Rain will greatly benefit standing crops, but will prove somewhat injurious to paddy still on the threshing floor. Sugarcane at Jamtara is being pressed. Prices of food-grains stationary. Public health fair.
	Jamtara " " "	0.91	
	Deoghur " " "	0.06	
	Rajmah I " " "	0.83	
	Godda " " "	1.16	
ORISSA.			
38	Cuttack Jan. 21 "	Nil	Weather—mornings cool, becoming warm. <i>Sarad</i> rice and <i>rubbee</i> crops are being gathered, the former with fair and the latter with indifferent outturn. <i>Dalua</i> and sugarcane doing well. Public health generally good; a few cases of cholera in some places in the interior.
39	Pooree " 20 "	Nil	Weather—seasonable. Harvesting of late <i>sarad</i> rice still going on. Mustard and other <i>rubbee</i> crops are being gathered. <i>Dalua</i> crop thriving. Common rice 16 seers 10 chittaks per rupee in Sudder sub-division, and 27 seers 14 chittaks in Khordwa sub-division. Fever and cholera reported from the mofussil.
40	Balasore " 21 "	Nil	Weather—seasonable. Harvesting of paddy still continues at places. <i>Rubbee</i> crops doing well. Fever and cholera reported from the interior; otherwise public health good.
CHOTA NAAGPORE.			
<i>North-West Frontier Agency</i>			
41	Hazratnagar Jan. 21, '87	1.72	Heavy rain on 19th and 20th. Weather still very cloudy to-day (21st). Prospects of <i>rubbee</i> crops excellent. No further report regarding poppy crop received. A few cases of small-pox and cattle disease. General health good.
42	Loharunge " 22 "	1.49	Weather—unsettled; rain with wind. <i>Rubbee</i> prospects fair. Prices as before.
	Palknow " " "	2.22	General health good.
43	Singmoon " 21 "	Rain on 21st.	Weather—cloudy during week. Cold weather crops doing well. Cattle-disease in Kokpara thana less. General health good.
44	Marbhoom " 22 "	0.41	Weather—cloudy and cold with occasional slight rain. Sugarcane is being pressed. Prospects of winter crops good. Public health good.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 25th January 1887P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

**PRICES-CURRENT (RETAIL) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE
DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE
16TH JANUARY 1887.**

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR OHOLUM (Sorghum Vulgare.)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
BENGAL.																
Western Districts.																
1	Burdwan	14 0	17 4	15 0	...	...	...	20 8	20 8	11 4	26 10	26 10	16 8	...	...	...
2	Bankura	16 0	18 0	16 8	24 0	24 0	19 8	20 0	22 8	18 8	24 6	30 0	22 8	...	...	...
3	Purbhoom	20 0	20 0	15 0	...	...	...	19 8	19 8	13 8	25 8	25 8	18 0	...	...	20 0
4	Midnapore	18 0	17 0	12 0	...	...	...	18 0	17 0	16 0	27 0	25 0	22 8	...	...	...
5	Hoochly	15 0	16 0	16 0	...	...	...	10 0	10 0	10 0	17 0	17 0	13 0	...	...	...
	Howrah	14 12	15 0	15 0	...	...	...	13 0	13 8	8 14	17 8	18 0	13 0	...	...	...
Central Districts.																
	Calcutta	14 10	14 10	14 4	21 0	21 8	19 16	9 6	9 6	6 4	17 0	16 12	...	13 6	13 6	13 0
6	24-Pergunnahs	16 0	14 4	14 0	21 8	21 4	17 12	8 0	8 0	8 0	19 13	18 4	12 8	...	...	...
7	Nudda	17 4	16 0	16 13	32 0	32 0	...	17 12	16 0	12 0	20 2	20 0	13 14	...	...	...
8	Khoulna	...	...	...	...	...	...	18 0	17 0	14 0	21 0	21 0	16 0	...	...	...
9	Jessore	16 0	16 0	12 4	...	...	...	14 0	14 0	13 4	21 0	21 0	17 0	...	...	...
10	Moorsshedabad	17 0	17 0	16 0	...	...	...	20 0	13 0	14 0	24 0	25 8	18 0	...	...	...
11	Dinagore	13 4	11 0	14 12	22 8	20 0	17 8	22 12	21 8	16 0	26 4	27 8	20 0	...	...	...
12	Rajahshye	20 0	20 0	15 0	46 0	48 0	...	19 8	18 0	11 4	22 8	22 8	19 11	...	...	...
13	Kangpore	17 0	17 0	18 0	...	...	...	18 0	18 0	12 0	21 0	23 10	22 0	...	...	...
14	Bogra	18 12	15 0	15 0	...	...	...	15 12	15 0	12 0	25 8	24 0	24 0	...	...	...
15	Pubna	20 0	22 8	16 8	...	...	...	8 0	8 0	8 4	26 4	26 4	20 0	...	...	...
16	Darjeeling	10 0	11 0	8 0	10 0	10 0	8 0	5 0	5 0	5 0	15 0	14 0	12 0	...	...	...
17	Jalpigoree	18 0	13 4	12 0	20 0	20 0	20 0	14 0	18 0	12 0	26 0	26 0	26 0	...	...	...
Eastern Districts.																
18	Dacca	16 0	16 0	14 0	26 0	26 0	26 0	16 0	15 0	14 8	17 0	17 0	18 8	...	...	...
19	Farradpore	17 0	20 0	16 0	25 0	26 0	20 0	16 0	16 0	13 8	21 0	22 0	16 0	...	...	...
20	Backergunge	...	...	...	...	...	...	16 0	15 0	12 0	18 0	17 4	16 0	...	...	...
21	Nymensingh	12 0	12 0	11 6	...	...	...	13 0	12 4	12 0	17 8	18 0	18 0	...	...	...

A In sub-divisions retail prices of salt per rupee were:—Culina 18½ seers, Kanchagunge 18½ seers and Cutwa 13½ seers.

B In Rampore HAT retail price of salt 13 seers per rupee.

C In Dumtuck and Contai sub-divisions retail price of salt 11 seers per rupee.

D In sub-divisions retail prices of salt per rupee were:—Baranpore 12 seers and Jehanabad 13½ seers.

E In sub-divisions retail prices of salt per rupee were:—Baranpore and Buxarhat 12 seers, Diamond Harbour (at Kulpibhat 12½ seers, Barrackpore 12½ seers and Dum-Dum 11 seers.

F In sub-divisions retail prices of salt per rupee were:—Koochitla 11½ seers, Meherpore 12 seers, Chooadanga 13 seers and Mahanagar 12½ seers.

G In Satkhira and Bagirhat sub-divisions retail price of salt 11 seers per rupee.

Districts of Bengal during the fortnight ending the 15th January 1887.

SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS.			AVERAGE WAGES PER MONTH.									DISTRICTS.	
			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STEEL OR HORSE- KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.				
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.		
Rs. Ch. S. Ch.	Rs. Ch. S. Ch.	Rs. Ch. S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.		
BENGAL.																
Eastern Districts.																
A	13 4	13 9	13 8	2 15 9	2 14 9	2 15 0	8 0	8 0	7 0	6 8	6 8	6 0	10 0	10 0	10 0	Hurdwan.
							5 10	5 8	8 0	4 0	4 0	4 0	7 8	7 0	7 8	
B	12 8	12 8	12 8	3 2 0	3 1 6	3 2 0	9 8	9 0	10 0	7 0	7 0	7 0	15 0	15 0	15 0	Bankura.
							4 0	4 0	4 0	4 0	4 0	5 0	8 0	8 0	8 0	
C	19 0	12 0	12 0	3 2 0	3 2 0	3 2 0	6 0	6 0	6 0	6 0	6 0	6 0	10 0	10 0	10 0	Deerbhoom.
							6 0	6 0	6 0	6 0	6 0	6 0	10 0	10 0	10 0	
D	12 0	12 8	12 8	3 1 2	3 0 3	3 1 2	6 8	5 10	8 0	5 0	6 0	6 0	7 8	7 8	7 8	Midnapore.
							9 0	11 4	10 0	0 0	10 0	10 0	10 0	10 0	10 0	
E	18 0	13 0	13 9	3 0 6	3 0 6	2 14 0	7 8	7 8	7 8	5 0	5 0	5 0	20 0	20 0	20 0	Hooghly.
							7 8	7 8	7 8	5 0	5 0	5 0	20 0	20 0	20 0	
F	19 0	13 0	13 0	3 2 0	3 2 0	3 0 0	7 8	7 8	7 0	7 0	7 0	7 0	25 0	25 0	25 0	Howrah.
Central Districts.																
G	13 0	13 0	13 4	3 0 0	3 0 0	2 11 0	12 0	12 0	12 0	7 0	7 0	7 0	15 0	15 0	15 0	Calcutta.
H	12 8	12 8	12 13	3 0 0	3 0 0	3 0 0	10 8	10 0	10 8	6 0	6 0	6 0	20 0	20 0	20 0	24 Pargunnahs.
I	11 10 4	11 10 4	11 10 4	3 2 0	3 2 0	3 0 0	6 0	6 0	6 0	6 0	6 0	6 0	7 8	7 8	7 8	Nuddea.
J	10 8	10 8	12 0	3 12 0	3 12 0	3 4 0	8 0	9 0	9 0	6 0	6 0	6 0	15 0	15 0	15 0	Khoolna.
							12 0	12 0	12 0	8 0	8 0	8 0	15 0	15 0	15 0	
K	10 12	10 12	11 12	3 3 0	3 3 0	3 0 0	7 8	7 8	7 8	6 0	6 0	6 0	15 0	15 0	15 0	Jessore.
L	12 0	12 0	12 0	3 5 0	3 5 0	3 5 0	5 0	5 0	5 0	5 0	5 0	5 0	7 8	7 8	7 8	Moorshedabad.
M	12 0	12 0	12 12	3 4 0	3 4 0	3 2 0	7 8	7 8	7 8	6 0	7 0	6 0	10 0	10 0	10 0	Dinaghpore.
							4 0	4 0	4 0	5 0	5 0	5 0	10 0	8 0	8 0	
N	13 0	13 0	11 0	3 4 0	3 4 0	3 4 0	7 8	7 8	7 8	6 0	6 0	6 0	14 0	14 0	14 0	Ranahaye.
							6 0	6 0	6 0	6 0	6 0	6 0	14 0	14 0	14 0	
O	10 8	10 8	14 0	3 5 4	3 5 4	3 4 0	6 0	6 0	5 0	5 0	5 0	7 0	15 0	15 0	15 0	Ratnapore.
							7 0	7 8	8 0	7 8	7 8	8 0	10 0	10 0	10 0	
P	12 0	11 6	12 6	3 5 0	3 6 0	3 1 6	5 0	6 0	2 8	5 0	5 0	6 0	12 0	15 0	11 0	Hogra.
							6 0	7 8	4 0	8 0	8 0	8 0	12 0	15 0	11 0	
Q	9 0	9 0	8 0	4 4 0	4 4 0	4 2 0	7 0	7 8	4 0	8 0	8 0	8 0	15 0	15 0	15 0	Panna.
							8 8	8 8	9 0	9 0	9 0	9 0	15 0	15 0	15 0	
R	11 0	12 0	12 0	3 6 0	3 4 0	3 2 0	8 0	8 0	7 0	7 0	8 0	7 0	20 0	20 0	20 0	Darjeeling.
							8 0	8 0	7 0	7 0	8 0	7 0	20 0	20 0	20 0	
Eastern Districts.																
S	10 8	10 8	12 0	3 8 0	3 8 0	3 2 0	6 0	6 0	6 0	5 0	8 0	8 0	8 0	8 0	8 0	Dacca.
							8 0	10 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	
T	11 0	11 8	12 0	3 5 0	3 5 0	3 6 0	7 8	7 0	7 8	7 0	7 0	7 0	12 0	10 0	12 0	Furrees pore.
							7 8	7 0	7 8	7 0	7 0	7 0	12 0	10 0	12 0	
U	11 8	11 8	12 8	3 6 0	3 6 0	3 2 0	8 0	8 0	7 8	7 0	6 0	6 0	15 0	15 0	15 0	Backergunge.
							7 0	7 0	7 0	6 0	6 0	6 0	15 0	15 0	15 0	
V	11 8	11 12	12 8	3 6 0	3 6 0	3 2 0	7 0	7 0	7 0	6 0	6 0	6 0	12 0	12 0	12 0	Mymensingh.
							10 0	10 0	10 0	7 0	7 0	7 0	30 0	30 0	30 0	

* Also food.

H In sub-divisions retail prices of salt per rupee were:—Jhenida and Narail 12 seers, Magura 10½ seers and Bongong 13 seers.

I In sub-divisions retail prices of salt per rupee were:—Lalbagh 12 seers, and Jungipore and Kandi 12½ seers.

J In Kowgore and Nattore sub-divisions retail price of salt 12 seers per rupee.

K In sub-divisions retail prices of salt per rupee were:—Gaibandha 9½ seers, Kurigram 12 seers.

L In Saragunge retail price of salt 12 seers per rupee.

M In Anupore sub-division (at Fallacotta) retail price of salt 10 seers per rupee.

N In sub-divisions retail prices of salt per rupee were:—Manickgungo 11 seers, Moonsheegunge 10½ seers and Naraingunge 11½ seers.

O In sub-divisions retail prices of salt per rupee were:—Goswando 12 seers and Madaripore 12½ seers.

P In sub-divisions retail prices of salt per rupee were:—Patuakhali 9 seers, Perospore 11 seers, and Bhola 10½ seers.

Q In sub-divisions retail prices of salt per rupee were:—Khalasgunge 9½ seers, Attia 12 seers, Jamalpore and Sheopore 10 seers, and Netrokona 12½ seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.		DISTRICTS.	QUANTITIES PER RUPEE IN																	
			WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. (Sorghum Vulgare.)					
			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
Eastern Districts.—Concluded.																				
22	Chittagong ...	16 0	16 0	16 0	...	...	...	15 0	13 0	13 0	17 12	18 0	16 0	...	...	...	
23	Noakholly* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	Tipperah† ...	...	11 8	13 14	...	...	...	16 12	20 2	16 0	24 12	23 8	18 8	...	...	...	
25	Chittagong Hill Tracts.	...	...	...	...	...	...	12 4	11 6	11 0	14 8	13 5	12 4	...	...	...	
	Hill Tipperah	12 0	12 0	12 0	...	...	...	14 0	13 0	13 0	19 0	18 0	18 0	...	...	...	
BEHAR.																				
26	Patna ...	20 0	20 0	21 0	34 0	34 0	26 0	11 8	11 8	10 11	25 8	26 8	15 0	26 0	32 0	...				
27	Gya ...	16 8	17 0	18 0	35 0	35 0	23 0	12 0	10 0	9 0	23 8	22 8	17 0	...	...	...	
28	Shahabad ...	16 0	17 0	21 0	30 0	32 0	26 0	10 0	9 0	10 0	19 0	19 0	17 0	...	...	...	
29	Durbhanga ...	19 12	19 14	17 8	33 0	30 0	30 0	14 8	14 6	9 8	21 0	22 0	16 0	23 0	23 0	...				
30	Muzaffarpore ...	20 0	20 0	18 0	32 0	33 0	24 0	12 0	12 0	12 0	23 0	23 0	17 0	...	...	...	
31	Baran ...	15 0	17 8	20 0	32 0	32 0	29 0	8 8	8 8	8 8	22 0	23 0	19 8	30 0	...	...		
32	Chumparan ...	21 0	21 0	...	40 0	40 0	22 0	7 8	7 8	12 0	20 0	20 0	19 0	...	...	...	
33	Monrovy ...	17 14	20 0	20 0	42 0	42 0	27 9	15 0	18 12	13 9	22 0	18 12	16 12	...	27 0	...				
34	Bhagalpore ...	16 6	16 6	18 4	37 14	40 6	27 12	18 15	20 8	16 6	22 11	24 0	18 45	...	...	...	
35	Patna ...	18 0	18 0	17 0	...	...	...	21 0	23 0	19 0	22 0	24 0	21 0	...	...	...	
36	Maldah ...	15 0	15 0	17 0	...	...	...	16 0	16 0	10 0	29 0	25 0	23 0	...	...	...	
37	Bonthal Pargha.	13 8	14 8	16 0	...	...	...	23 0	25 0	12 0	31 0	33 0	23 0	...	...	...	
ORISSA.																				
38	Cuttack ...	11 13	13 2	15 12	...	...	...	13 2	13 2	10 8	21 0	18 6	18 6	...	...	...	
39	Pooree ...	13 2	14 7	15 12	...	...	...	13 2	15 12	13 2	22 10	22 5	18 6	...	...	...	
40	Balasore ...	16 0	16 0	14 0	13 0	13 0	10 0	13 0	13 0	13 0	24 0	24 0	20 0	...	...	...	
CHOTA NAGPORE.																				
South-Western Frontier Agency.																				
41	Basareebagh ...	18 0	19 0	17 0	20 0	18 0	...	13 0	13 0	12 0	20 0	23 0	21 0	...	...	...	
42	Lohardugga ...	24 0	24 0	15 0	18 0	18 0	...	21 0	22 0	20 0	27 0	20 0	25 0	...	...	...	
43	Singbhoom ...	24 0	24 0	24 0	24 0	24 0	24 0	28 0	28 0	26 0	32 0	32 0	29 0	...	...	...	
44	Manbhoom ...	16 0	16 0	17 0	22 0	20 0	...	18 0	18 0	17 0	29 0	32 0	25 0	...	...	...	

* Return not received.

† No wheat was brought to market for sale.

‡ In the interior the retail price of wheat

R In Cor's Bazar sub-division retail price of salt 12 seers per rupee.

S In sub-divisions retail prices of salt per rupee were:—Brahmuneriah 11 seers and Chandapore 11½ seers.

T In Buxar and Banarum sub-divisions retail price of salt 12½ seers per rupee, and in Bhaboonah sub-division 11½ seers.

U In sub-divisions retail prices of salt per rupee were:—Madhubani 11 seers and Tajpore 12 seers.

V In Hajepore sub-division retail price of salt 12½ seers per rupee.

W In Sevan sub-division retail price of salt 12 seers per rupee.

X In H ga Seral and Jamui sub-divisions retail price of salt 11 seers per rupee.

Y In sub-divisions retail prices of salt per rupee were:—Banka and Boopore 11 seers, and Maddapore 10½ seers.

Districts of Bengal during the Fortnight ending the 15th January 1887—(Concluded.)

WHOLESALE PRICES PER MAUND OF 40 SEERS.									AVERAGE WAGES PER MONTH.												DISTRICTS.
SALT.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STOCK OR HORSE- KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.									
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
Rs.	Ch.	S.	Rs.	Ch.	S.	Rs.	Ch.	S.	Rs.	Ch.	S.	Rs.	Ch.	S.	Rs.	Ch.	S.				
13 0	12 0	12 0	3 2	0	3 2	0	2 13	0	0 0	0 8	0 8	7 0	7 0	7 0	7 0	7 0	7 0	Chittagong.			
...	Noakhali.			
...	Fipparah.			
...	Chittagong Hill Tracts.			
...	Hill Tipperah.			
Eastern Districts.—Concluded.																					
11 8	11 8	11 8	3 1	0	3 1	0	3 1	0	4 0	4 0	4 0	4 8	4 8	4 8	8 0	5 0	8 0	Patna.			
...	Gya.			
...	Shadabad.			
...	Darbhanga.			
...	Muzaffarpore.			
...	Saran.			
...	Chumna.			
...	Monghyr.			
...	Bhagulpore.			
...	Purnea.			
...	Malda.			
...	Sontal Pichan.			
ORISSA																					
...	Cuttack.			
...	Puri.			
...	Balasore.			
CHOTA NAGPORE.																					
South-Western Frontier Agency.																					
...	Hazaribagh.			
...	Lohardaga.			
...	Singbhoam.			
...	Manbhoim.			

Nos 21 to 26; seers per rupee.

2. In sub-divisions retail prices of salt per rupee were:—Kinsengunge 10 seers and Azarsah (at Ramnangal) 12 seers.
 21. In sub-divisions retail prices of salt per rupee were:—Gouda 11 seers, Itajmehal 10 seers, Pakour 12 seers, and Jaintara 13 seers.
 22. In Khouda sub-division retail price of salt 14 seers per rupee.
 23. In Bunduck sub-division retail price of salt 9 seers per rupee.
 24. In Girid sub-division (at Kharagdiha) retail price of salt 12 seers per rupee.

Published for general information.

P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number	MARKS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 11 0	2 11 0	5 10 0	1 5 0	1 10 3	2 0 0	3 8 0	3 8 0	0 0 0	1 15 0	1 15 0	...
2	Seraingunge ...	...	...	...	...	...	...	3 14 0	3 14 0	4 4 0	2 2 0	2 0 0	2 7 0
3	Dacca ...	2 5 0	2 5 0	2 3 0	1 8 0	1 8 0	1 6 0	2 7 0	2 9 0	2 12 0	2 3 0	2 3 0	2 4 0
4	Naraingunge ...	...	...	...	...	...	...	2 6 0	2 6 0	...	2 0 0	2 0 0	...
5	Chittagong ...	2 6 0	2 6 0	2 6 0	...	...	...	2 10 0	2 12 0	2 14 0	2 2 0	2 0 0	2 6 0
6	Patna ...	1 13 0	1 13 0	1 10 0	1 2 0	1 2 6	1 4 0	3 0 0	3 0 0	3 5 0	1 8 0	1 7 3	2 4 0
7	Balasore ...	2 4 0	2 4 0	2 12 0	3 0 0	3 0 0	2 3 0	3 0 0	3 0 0	3 0 0	1 8 0	1 10 0	1 14 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 8 0	1 11 0	2 1 0
9	Cuttack ...	3 4 0	3 0 0	2 5 0	...	...	...	3 0 0	3 0 0	3 10 0	1 11 0	2 2 0	2 0 0

CALCUTTA.

The 25th January 1887.

undermentioned *Marts* of Bengal during the fortnight ending 15th January 1887.

RAN, 'BANA, OHHOLA, KALILAT OR SUNAGA. (Pier Aristinum.)			INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR CADJAN PRA. (Cajanus indicus.)			FIREWOOD			SALT			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 11 3	1 10 0	2 3 0	1 4 0	1 4 0	1 14 0	1 15 0	2 0 0	2 0 0	0 7 0	0 7 0	0 6 3	3 0 0	3 0 0	2 11 0	Calcutta.
1 14 6	1 12 6	2 8 0	...	...	...	...	...	...	...	...	...	3 5 3	3 1 4	2 8 0	Sarrjunge.
2 2 0	2 2 0	2 8 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 0	3 8 0	3 8 0	3 2 0	Dacca.
2 0 0	2 0 0	...	...	...	...	...	...	...	0 6 0	0 6 0	...	3 2 0	3 2 0	...	Narangunde.
2 6 0	2 8 0	2 13 0	...	...	...	3 12 0	3 8 0	3 12 0	0 8 0	0 8 0	0 4 0	3 2 0	3 2 0	2 13 0	Chittagong.
1 3 6	1 3 6	1 8 0	1 8 0	1 0 0	1 8 0	1 2 0	1 2 0	1 0 0	0 5 3	0 5 3	2 0 3	1 6 3	1 6 3	1 6 3	Patna.
2 2 0	2 8 0	2 10 0	...	...	...	3 0 0	3 0 0	...	0 5 0	0 5 0	0 4 0	3 8 0	3 8 0	3 8 0	Balacore.
...	...	...	...	...	...	...	...	...	...	...	...	2 10 0	2 10 0	2 10 0	Poorce.
2 5 0	2 2 0	2 0 0	...	...	...	...	...	...	0 8 0	0 8 0	0 8 0	2 12 0	2 12 0	2 12 0	Cuttack.

Published for general information.

P. NOLAN,

Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.												
			AIR PRESSURE.			WIND.		TEMPERATURE.							
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.
ORISSA.	Pooroo	Gopulpore	29.948	29.948	—	Calm	103	81.2	17th Jan.	60.0	18th Jan.	70.6	67.0	73.0	—
		Paise Point	29.984	29.985	—115	NE	178	83.4	16th ..	58.5	18th ..	80.0	61.7	70.8	+1.5
	Cuttack	Cuttack	29.950	29.964	—108	ESE	31	80.9	17th ..	58.4	18th & 19th Jan.	84.5	60.5	72.0	—0.7
	Balasore	Balasore	29.968	29.969	—	Calm	37.3	82.9	16th ..	57.5	18th ..	79.5	57.3	69.4	—
	South-West Midnapore	Saugor Island	29.980	29.977	—113	NNE	158	80.5	21st ..	54.8	17th ..	78.6	59.7	68.2	—0.4
SOUTH-WEST BENGAL.	South 24-Pargannas	Midnapore	29.986	29.923	—	N	92.3	83.3	16th ..	51.2	17th ..	80.3	56.4	68.4	—
	Howrah	Calcutta	29.980	29.922	—119	NE	80	79.1	16th ..	52.3	16th ..	75.6	55.9	65.7	—0.9
	Hooghly														
	Burdwan	Burdwan	29.926	29.951	—105	Northerly	46.9	79.5	16th & 20th Jan.	48.3	18th ..	77.0	51.8	65.7	—0.7
	Bankoora	Bankoora	29.707	—	—	WNW	19	80.1	20th ..	50.3	17th ..	78.0	53.6	65.8	—
	Beerbhoom														
	West Burdwan	Ranagunge	29.983	—	—	NW	94.3	79.0	20th ..	49.2	18th ..	74.0	55.3	65.0	—
	Moorsheadabad	Berhampore	29.951	29.921	—109	NW	63.1	77.6	16th ..	42.1	18th ..	72.8	54.5	63.7	—1.0
	Nudda	Krishnachur	29.981	—	—	NW	71.9	79.5	16th ..	45.7	18th ..	78.9	51.9	63.9	—
	Jessore	Jessore	29.907	29.932	—107	Northerly	45.2	79.7	16th ..	47.1	16th ..	70.1	52.0	64.1	—2.0
	Khoolna														
	Chittagong	Chittagong	29.916	29.900	—104	NNE	58	81.6	16th ..	50.2	18th ..	77.9	55.0	66.5	—0.5
EAST BENGAL.	Chittagong Hill Tracts	Demagiri						Observations not received.							
	Backergunge	Barrisal	29.922	29.905	—	N	65.9	78.3	15th ..	50.1	17th & 19th Jan.	74.5	51.9	64.7	—
	Noakholly	Noakholly	29.923	29.908	—	NW	48.9	79.0	15th ..	47.1	18th ..	78.8	51.7	64.3	—
	Furroedpore	Furroedpore	29.973	—	—	N	62.0	78.3	15th ..	40.0	18th ..	70.1	51.6	60.9	—
	Dacca	Dacca	29.947	29.920	—107	W	51	80.1	15th ..	50.1	17th & 18th Jan.	70.1	54.1	65.1	—1.7
	Tipperah	Comillah	29.975	29.912	—	NW	28.1	81.4	17th ..	50.1	20th ..	78.7	50.8	64.7	—
	Mymensingh	Mymensingh	29.946	—	—	Variable	51	79.1	15th & 19th Jan.	40.1	17th ..	67.5	50.4	60.0	—
	Sogra	Hoera	29.922	29.908	—	NW	53.6	79.8	16th ..	40.0	18th ..	71.8	52.3	62.1	—
	Pubna	Serajpore	29.965	29.911	—	N	50.1	77.2	16th ..	45.4	18th ..	72.0	50.9	61.0	—
	Rajshahye	Rampore Beaulah	29.953	29.908	—	NW	80.2	77.2	15th ..	46.7	18th ..	72.8	50.6	61.7	—
NORTH BENGAL.	Maldah	Maldah	—	—	—	Northerly	30.3	74.8	15th ..	40.7	18th ..	73.4	52.5	60.0	—
	Dinagore	Dinagore	29.855	29.902	—	Westerly	81	74.6	16th ..	41.8	17th ..	70.2	49.3	60.0	—
	Rungpore	Rungpore	29.857	29.920	—	NE	76	74.9	16th ..	45.8	16th ..	69.5	50.9	60.2	—
	Jalpigoree	Jalpigoree	29.709	29.912	—	NE	67.9	73.9	16th ..	45.5	16th ..	69.6	50.5	60.1	—
	Oooch Mehar														
	Darjeeling Hill Districts	Darjeeling	29.872	—	—156	Calm	125.7	48.2	16th ..	30.1	2nd ..	41.5	32.2	36.7	—0.5
	Purneah	Purneah	29.888	29.922	—118	Calm	32.0	73.2	16th ..	44.9	17th ..	68.8	50.4	59.6	—2.4
	North Bhagulpore														
	Mozufferpore	Mozufferpore						Observations suspended.							
	Durbhunga	Durbhunga	29.544	29.921	—107	WSW	100	72.2	16th ..	40.3	17th ..	68.7	53.0	60.9	—1.3
SOUTH BENGAL.	Chumparan	Mothari	29.758	29.908	—	ESE	190.3	72.3	16th & 16th Jan.	43.7	16th ..	67.8	48.8	58.3	—
	Saran	Chupra	29.908	—	—	ENW	41.4	72.0	17th ..	40.0	17th ..	67.9	51.3	59.6	—
		Dehree	29.935	29.930	—	ENW	60.4	71.1	19th ..	48.0	17th ..	67.4	53.1	60.3	—
	Shahabad	Buxar	29.702	29.919	—	Variable	142.5	70.9	19th ..	43.4	17th ..	68.9	50.9	54.9	—
		Arrah	29.794	29.903	—	W	38.3	71.3	21st ..	45.0	17th ..	68.3	51.3	59.8	—
	Gya	Gya	29.957	29.904	—109	W	54.9	72.3	17th ..	47.5	17th ..	70.9	53.6	62.3	—1.2
	Patna	Bankipore	29.834	29.928	—113	W	70.8	71.2	16th ..	45.8	17th ..	68.7	51.5	60.1	—1.6
	South Bhagulpore														
	Monghyr	Bhagulpore	29.510	29.900	—	W	82	73.1	20th ..	40.0	17th ..	70.3	51.0	61.0	—
	South Pargannas	Doomka	29.498	—	—	NW	29.4	75.5	16th & 20th Jan.	45.9	18th ..	71.1	51.8	61.5	—
CHUTTA NAGPUR.	Hazaribagh	Hazaribagh	27.947	29.916	—100	WNW	162.0	76.9	20th ..	44.0	17th ..	68.2	48.6	58.9	—2.3
	Lohardugga														
	Manbhoom	Ranchee	27.906	29.910	—	SW	115.2	70.5	20th ..	43.5	18th ..	68.7	48.4	60.0	—
	Singbhoom	Chyehassa	29.207	—	—	Easterly	83.5	83.5	20th ..	48.0	18th ..	70.8	50.1	67.1	—

Explanation. — Summary. — The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same period for the years 1871 to 1880. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numerical means or averages of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question, during the same time in the district causing in returns divided by the number of stations. A rainy day is one on which at least hundredths of an inch fell.

for the week ending Friday, the 21st January 1887.

DISTRICT OBSERVATIONS.														Representative station.	DISTRICT.	METEOROLOGICAL STATION.	Divt.
Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing stations.	RAINFALL.									Average number of rainy days.	Normal number of rainy days.				
			Of week.		Since 1st of month.			Since 15th May 1886.									
			Mean for district.	Normal mean.		Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.						
0.4	Nil	—	—	—	—	—	—	—	—	—	—	—	—	Gopalpore	...	...	...
1.6	Nil	0.11	0.07	0.14	0.13	+0.01	61.32	55.77	+5.55	0.3	0.2	0.1	0.1	Pulse Point	...	...	...
0.1	Nil	Nil	0.03	0.00	0.12	-0.03	63.72	51.53	+12.19	0.0	0.1	0.1	0.1	Cuttack	...	...	...
1.1	Nil	0.18	0.02	0.36	0.17	+0.13	57.74	53.61	+4.13	0.5	0.1	0.1	0.1	Balasore	...	...	...
2.1	0.28	0.00	0.04	0.33	0.21	+0.12	51.78	63.00	-11.28	0.3	0.2	0.2	0.2	Saugor Island	...	South-West Midnapore	...
2.7	0.26	0.18	0.04	0.74	0.20	+0.45	40.56	51.82	-11.26	0.7	0.2	0.2	0.2	Midnapore	...	South 24-Pergunnahs	...
1.6	0.13	0.22	0.03	0.70	0.26	+0.53	50.98	51.82	+0.84	1.0	0.2	0.2	0.2	Calcutta	...	24-Pergunnahs...	...
2.7	0.65	0.74	0.00	1.01	0.17	+0.84	53.97	46.23	+7.74	1.3	0.2	0.2	0.2	Hardwan	...	Howrah	...
2.7	0.78	0.61	0.01	0.74	0.09	+0.65	53.10	62.04	-8.94	1.5	0.1	0.1	0.1	Bankoora	...	Hooghly	...
3.4	0.55	1.05	0.03	1.58	0.25	+1.33	66.05	51.63	+14.42	1.8	0.2	0.2	0.2	Raneegunge	...	Bankoora	...
2.0	1.25	1.23	0.03	1.77	0.24	+1.53	60.40	48.57	+11.83	2.2	0.1	0.1	0.1	Berhampore	...	Barbhoon	...
2.0	0.40	0.40	0.04	0.72	0.17	+0.55	55.19	49.00	+6.19	1.2	0.2	0.2	0.2	Krishnachur	...	West Burdwan	...
1.7	0.52	0.30	0.08	0.55	0.23	+0.32	58.90	53.43	+5.47	1.0	0.2	0.2	0.2	Jessore	...	Moorshedabad	...
2.4	0.07	Nil	0.20	0.45	0.30	+0.15	127.33	113.72	+13.61	0.0	0.6	0.6	0.6	Chittagong	...	Kuddea	...
1.7	0.33	0.74	0.07	1.30	0.30	+1.00	70.31	77.00	-6.69	1.3	0.2	0.2	0.2	Domagiri	...	Klaotha	...
1.4	0.33	0.54	0.00	2.13	0.42	+1.71	116.08	108.50	+7.58	1.0	0.2	0.2	0.2	Barrisal	...	Chittagong Hill Tracts	...
1.3	0.17	0.37	0.07	0.53	0.22	+0.31	60.16	55.99	+4.17	1.0	0.2	0.2	0.2	Noakholly	...	Backergunge	...
2.0	0.21	0.24	0.04	0.50	0.17	+0.33	76.51	58.34	+18.17	1.0	0.2	0.2	0.2	Furroodpore	...	Noakholly	...
2.0	0.18	0.36	0.10	1.05	0.40	+0.65	70.98	70.84	+0.14	0.7	0.2	0.2	0.2	Dacca	...	Furroodpore	...
4.0	0.40	0.63	0.00	0.00	0.23	+0.76	67.53	67.36	+0.17	1.4	0.2	0.2	0.2	Commillah	...	Dacca	...
2.9	0.65	0.75	0.08	1.21	0.26	+1.01	66.37	66.17	+0.20	1.5	0.2	0.2	0.2	Mymensingh	...	Tipperah	...
3.1	0.77	0.00	0.05	1.12	0.22	+0.90	50.44	50.44	+0.00	1.5	0.2	0.2	0.2	Bogra	...	Mymensingh	...
2.6	0.95	0.87	0.02	1.50	0.34	+1.16	70.76	55.72	+15.04	1.5	0.1	0.1	0.1	Serajgunge	...	Bogra	...
2.0	1.02	1.20	0.02	1.40	0.24	+1.16	42.73	43.39	-0.66	2.0	0.1	0.1	0.1	Rampore Beaulah	...	Patna	...
2.9	1.35	1.40	0.04	1.77	0.11	+1.66	74.08	53.50	+20.58	2.0	0.2	0.2	0.2	Maldah	...	Rajshahye	...
0.7	0.77	0.83	0.08	1.91	0.19	+1.72	73.82	73.22	+0.60	1.3	0.2	0.2	0.2	Dinagore	...	Maldah	...
2.6	1.41	1.43	0.07	1.61	0.12	+1.49	109.76	110.42	-0.66	2.0	0.2	0.2	0.2	Rungpore	...	Dinagore	...
7.1	1.03	1.94	0.15	2.57	0.27	+2.30	141.16	110.72	+30.44	3.2	0.5	0.5	0.5	Jalpigoree	...	Rungpore	...
3.4	2.34	2.04	0.06	2.59	0.10	+2.49	80.14	66.53	+13.61	2.0	0.2	0.2	0.2	Coen Sahar	...	Jalpigoree	...
2.8	1.31	1.70	0.04	2.03	0.31	+1.72	63.13	42.00	+21.13	2.3	0.2	0.2	0.2	Darjeeling	...	Coen Sahar	...
4.4	1.14	0.10	0.06	1.13	0.35	+0.78	69.03	40.10	+28.93	2.0	0.2	0.2	0.2	Purneah	...	Darjeeling Hill Districts	...
4.6	1.59	1.36	0.06	1.75	0.27	+1.48	63.93	41.25	+22.68	2.0	0.2	0.2	0.2	Purneah	...	Purneah	...
2.9	0.85													Mozufferpore	...	North Bhagulpore	...
4.7	0.99	0.89	0.07	1.43	0.39	+1.04	50.23	39.16	+11.07	1.8	0.3	0.3	0.3	Mozufferpore	...	Mozufferpore	...
5.3	0.96													Durbhunga	...	Durbhunga	...
4.0	0.42	0.74	0.12	1.58	0.31	+1.27	65.81	30.50	+35.31	2.0	0.3	0.3	0.3	Motihari	...	Chumparan	...
4.3	0.94	1.18	0.05	1.55	0.27	+1.28	60.99	40.14	+20.85	2.0	0.3	0.3	0.3	Chupra	...	Saran	...
2.6	1.82	1.79	0.06	2.48	0.12	+2.36	60.90	41.84	+19.06	1.2	0.3	0.3	0.3	Dehrae	...	Shahabad	...
1.4	1.37	1.14	0.06	1.67	0.18	+1.49	71.40	48.62	+22.78	1.6	0.2	0.2	0.2	Buxar	...	Shahabad	...
4.1	1.12	0.80	0.02	2.02	0.12	+1.90	58.74	40.71	+18.03	1.0	0.2	0.2	0.2	Arrah	...	Shahabad	...
4.1	1.40	0.94	0.05	2.19	0.21	+1.98	50.50	47.03	+3.47	2.2	0.2	0.2	0.2	Gya	...	Gya	...
2.1	0.21	0.13	0.13	0.31	0.37	-0.06	43.61	51.73	-8.12	1.0	0.5	0.5	0.5	Bankipore	...	Patna	...
														0.3	0.3	Bankipore	...
														0.3	0.3	Bhagulpore	...
														0.3	0.3	Bhagulpore	...
														0.2	0.2	Doemka	...
														0.2	0.2	Hazaribagh	...
														0.2	0.2	Ranchoo	...
														0.2	0.2	Ranchoo	...
														0.2	0.2	Chyobassa	...

The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. Under the head "District observations of rainfall" the normal mean is the mean of the district, and the numerical average of the rainfall return received in the district, i.e., from the total rainfall at the sub-divisions.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 21st of January 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain- fall since 1st of month.	Average total rain- fall from 1st of month.	Total rain- fall since 15th May 1896.	Average rainfall from 15th May to date.	
			Saturday, 10th January.	Sunday, 11th January.	Monday, 12th January.	Tuesday, 13th January.	Wednesday, 14th January.	Thursday, 15th January.	Friday, 16th January.	Number of rainy days.	of Rainfall week.					
ORISSA	Poores	Poores	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.09	54.01	51.96
		Khurlah	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.15	65.99	63.94
		Banpur	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.03	60.97	58.92
		False Point	.....	.....	.....	.....	.....	0.45	1	0.45	0.95	0.25	57.90	55.85
		Gop	.....	.....	.....	.....	.....	.....	NH	NH	NH	?	?	60.93
	Cuttack	Jagatsingapore	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.11	68.98	66.93
		Bauke	.....	.....	.....	.....	.....	.....	NH	NH	0.40	0.03	60.92	58.87
		Cuttack	.....	.....	.....	.....	.....	.....	NH	NH	0.02	0.03	72.98	70.93
		Kendrapara	.....	.....	.....	.....	.....	.....	NH	NH	0.01	0.20	54.90	52.85
		Juipore	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.38	62.90	60.85
	Balasore	Dharmasalla	0.07	1	0.07	0.07	?	62.45	60.40	
		Salipore	.....	.....	.....	.....	.....	.....	.....	.....	.....	?	?	?
		Chundbali	0.70	1	0.70	0.70	0.13	54.01	51.96	
		Bhadrak	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.08	54.04	51.99
		Somh	0.28	0.08	2	0.36	0.36	0.09	57.73	55.68	
SOUTH-WEST BENGAL.	Midnapore	Balasore	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.23	62.73	60.68
		Jellapore	.....	.....	.....	.....	.....	.....	NH	NH	0.25	61.39	59.34	
		Baripodah	.....	.....	.....	.....	.....	.....	NH	NH	0.46	0.20	63.92	61.87
		Conant	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.10	41.93	39.88
		Saugor Island	.....	.....	.....	.....	.....	.....	0.29	1	0.28	0.18	42.25	40.20
	24-Pergunnahs	Tumlook	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.40	61.10	59.05
		Midnapore	.....	.....	.....	.....	.....	.....	0.40	1	0.26	0.38	43.97	41.92
		Gimtal	.....	.....	.....	.....	.....	.....	0.28	1	0.28	0.64	40.62	38.57
		Dewag	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.07	39.91	37.86
		Ilerna	.....	.....	.....	.....	.....	.....	NH	NH	NH	?	47.47	45.42
	Howrah	Bhagwanpore	0.14	1	0.14	0.4	?	43.90	41.85	
		Garbeta	0.46	1	0.46	0.46	?	40.47	38.42	
		Diamond Har- bour	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.64	61.67	59.62
		Canning Town	.....	.....	.....	.....	.....	.....	NH	NH	NH	0.10	68.47	66.42
		Alipore Jail	0.18	1	0.18	1.40	0.41	58.95	56.90	
Hooghly	Barrackpore	.....	.....	.....	.....	.....	.....	0.45	1	0.45	0.23	61.66	59.61	
	Dum-Dum	.....	.....	.....	.....	.....	.....	0.18	1	0.18	1.01	57.11	55.06	
	Barneset	.....	.....	.....	.....	.....	.....	0.30	1	0.30	0.82	67.59	65.54	
	Busserhat	.....	.....	.....	.....	.....	.....	0.09	1	0.09	0.09	0.28	66.23	64.18
	Howrah	.....	.....	.....	.....	.....	.....	0.24	1	0.24	0.00	0.33	51.74	49.69
Booghly	Mohesrta (Onuberiah.)	.....	.....	.....	.....	.....	.....	0.07	1	0.07	0.87	0.33	54.40	52.35
	Sevampore	.....	.....	.....	.....	.....	.....	0.12	1	0.12	0.87	0.20	57.50	55.45
		Hooghly	0.67	1	0.17	0.87	0.18	53.97	51.92	
		Jhannabad	0.12	1	0.12	0.32	0.12	61.52	59.47	
		Culina	0.74	1	0.70	0.94	0.16	52.95	50.90	
Burdwan	Burdwan	.....	.....	.....	.....	.....	.....	0.95	1	0.95	0.90	0.10	57.42	55.37
	Culina	.....	.....	.....	.....	.....	.....	0.53	2	0.80	1.29	0.23	48.86	46.81
	Ramcegunge	.....	.....	.....	.....	.....	.....	0.47	2	0.50	1.09	0.16	66.95	64.90
	Mankur	.....	.....	.....	.....	.....	.....	0.31	1	0.41	0.76	?	62.26	60.21
	Bankoora	Bankoora	0.28	1	0.28	0.63	0.09	51.76	49.71	
Bishenpore		.....	.....	.....	.....	.....	.....	0.14	1	0.14	0.25	0.08	50.43	48.38
Mahara		.....	.....	.....	.....	.....	.....	0.59	2	1.03	1.35	0.03	58.00	55.95
Khatra		.....	.....	.....	.....	.....	.....	0.52	2	0.57	0.78	0.15	61.32	59.27
Indra		.....	.....	.....	.....	.....	.....	0.80	1	0.80	0.92	?	44.28	42.23
Beerbhoom	Kotalpore	.....	.....	.....	.....	.....	.....	0.09	1	0.09	0.35	?	43.71	41.66
	Anda	.....	.....	.....	.....	.....	.....	.....	.....	.....	?	?	?
	Gangajalghati	.....	.....	.....	.....	.....	.....	0.41	2	0.85	1.06	?	56.83	54.78
	Rasipore	.....	.....	.....	.....	.....	.....	0.0	1	0.10	0.12	?	55.98	53.93
	Somanukhi	.....	.....	.....	.....	.....	.....	1.00	1	1.00	1.30	?	37.99	35.94
Nuddoa	Bh. Soory	.....	.....	.....	.....	.....	.....	0.20	2	0.61	1.43	0.24	67.97	65.92
	Hetampore	.....	.....	.....	.....	.....	.....	1.10	1	1.10	1.05	0.31	66.77	64.72
	Rampore Haut	.....	.....	.....	.....	.....	.....	0.70	2	0.95	2.15	0.27	65.27	63.22
	Dolpore	.....	.....	.....	.....	.....	.....	0.83	1	0.83	0.83	?	64.85	62.80
	Koolna	Rannohat	0.57	1	0.57	0.81	0.13	60.99	58.94	
Kishnachur		.....	.....	.....	.....	.....	.....	0.40	1	0.40	0.58	0.16	49.98	47.93
Choudanaga		.....	.....	.....	.....	.....	.....	0.41	1	0.41	0.68	0.21	51.60	49.55
Meherpore		.....	.....	.....	.....	.....	.....	0.15	2	0.32	0.53	0.22	63.45	61.40
Kooshia		.....	.....	.....	.....	.....	.....	0.60	1	0.60	0.09	0.15	67.41	65.36
Jessore	Sathin	.....	.....	.....	.....	.....	.....	0.08	1	0.08	0.03	0.30	50.93	48.88
	Bakrhat	.....	.....	.....	.....	.....	.....	0.40	1	0.40	0.61	0.40	75.42	73.37
	Khoolna	.....	.....	.....	.....	.....	.....	0.29	1	0.29	0.49	0.40	67.34	65.29
	Natal	0.41	1	0.41	0.70	0.34	61.66	59.61	
		Jessore	0.42	1	0.62	0.40	0.29	64.94	62.89	
Jhannidab		.....	.....	.....	.....	.....	.....	0.60	1	0.60	0.70	0.10	61.41	59.36
Mugsooth		.....	.....	.....	.....	.....	.....	0.20	1	0.20	0.23	0.13	61.62	59.57
Moorsheadabad	Boukong	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.17	?	61.61	59.56
	Kandi	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hetampore	0.20	1.00	0.04	8	1.24	1.07	0.15	55.79	53.74
	Lalbagh	.....	.....	.....	.....	.....	.....	0.33	0.72	2	1.25	0.31	68.06	66.01
	Azingunge	.....	.....	.....	.....	.....	.....	0.94	0.53	2	1.51	0.02	61.02	58.97
Chittagong	Juipore	0.70	1.12	2	1.02	2.16	0.26	65.12	63.07	
	Lalbagh	0.63	0.50	2	0.83	1.31	0.33	65.35	63.30	
	Lalbagh	0.60	0.50	2	0.80	1.39	0.38	66.30	64.25	
	Akhapuri	.....	.....	.....	.....	.....	.....	1.25	1	1.25	2.03	?	?	?
	East BENGAL	Cox's Bazar	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chittagong		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kutubdia		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sattakia		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chittagong Hill Tracts.	Rangmat	.....	.....	.....	.....	.....	.....	0.36	1	0.36	0.60	0.37	60.76	58.71
	Runa	.....	.....	.....	.....	.....	.....	0.60	1	0.60	0.60	0.23	64.32	62.27
	Backergunge	Patnakhali	0.77	1	0.77	0.77	0.45	70.04	67.99	
		Poranpore	0.55	9	0.90	0.44	0.44	70.44	68.39	
		Burrow	0.41	1	0.41	1.59	0.43	69.40	67.35	
Blaka		.....	.....	.....	.....	.....	.....	0.75	1	0.75	1.09	0.32	66.29	64.24

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 21st of January 1887—contd.

District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1886.	Average rainfall from 15th May to date.
		Saturday, 16th January.	Sunday, 16th January.	Monday, 17th January.	Tuesday, 18th January.	Wednesday, 19th January.	Thursday, 20th January.	Friday, 21st January.	Number of rainy days.	of Rainfall week.				
NORTH-BENGAL	Gournadi	0.53	0.53	0.53	0.53	0.53	0.53	0.53	1	0.53	0.53	?	63.37	?
	Baughal	0.53	0.53	0.53	0.53	0.53	0.53	0.53	1	0.53	0.53	?	63.37	?
	Noakholly	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1	0.75	2.65	0.37	122.61	108.50
	Fenny	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1	0.75	2.65	0.46	107.70	107.70
	Harishpore	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1	0.75	2.65	?	?	?
Surreedpore..	Ramganj	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1	0.75	2.65	?	?	?
	Madaripore	0.46	0.46	0.46	0.46	0.46	0.46	0.46	1	0.46	0.62	0.33	67.61	55.88
	Furreedpore	0.15	0.15	0.15	0.15	0.15	0.15	0.15	1	0.15	0.23	0.10	55.58	58.08
Dacca	Goulundo	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1	0.50	0.75	0.21	64.28	53.78
	Munshigunge	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1	0.19	0.43	0.28	65.23	70.30
	Dacca	0.21	0.21	0.21	0.21	0.21	0.21	0.21	1	0.21	0.39	0.19	67.86	58.47
	Narainkunge	0.35	0.35	0.35	0.35	0.35	0.35	0.35	1	0.35	0.72	NH	88.28	54.21
	Manickgunge	0.21	0.21	0.21	0.21	0.21	0.21	0.21	1	0.21	0.71	0.21	64.98	50.52
Hill Tipperah	Joydebore	0.12	0.12	0.12	0.12	0.12	0.12	0.12	1	0.12	1.29	?	70.21	?
	Agartola	0.36	0.36	0.36	0.36	0.36	0.36	0.36	1	0.36	1.38	0.46	67.41	62.18
	Comilla	0.12	0.12	0.12	0.12	0.12	0.12	0.12	2	0.18	1.02	0.44	85.36	77.07
	Chandpore	0.30	0.30	0.30	0.30	0.30	0.30	0.30	1	0.30	1.00	0.18	88.05	81.03
	Brahmanberia	0.21	0.21	0.21	0.21	0.21	0.21	0.21	1	0.21	0.91	0.49	65.61	62.76
Mymensingh	Ramchandrapore.	0.21	0.21	0.21	0.21	0.21	0.21	0.21	1	0.21	0.91	?	65.61	?
	Nasirnagar	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.14	?	53.65	?
	Daudkandi	0.23	0.23	0.23	0.23	0.23	0.23	0.23	1	0.23	1.23	?	69.04	?
	Kasba	0.58	0.58	0.58	0.58	0.58	0.58	0.58	1	0.58	1.52	?	69.58	?
	Laksham	0.58	0.58	0.58	0.58	0.58	0.58	0.58	1	0.58	1.52	?	69.58	?
Kishoragunge	Atin (Tangail)	0.33	0.33	0.33	0.33	0.33	0.33	0.33	2	0.53	1.29	0.40	74.51	70.04
	Mymensingh	0.85	0.85	0.85	0.85	0.85	0.85	0.85	1	0.85	1.38	0.27	54.61	50.32
	Jamulpore	0.57	0.57	0.57	0.57	0.57	0.57	0.57	1	0.57	1.31	0.18	68.70	74.37
	Netrokona	0.81	0.81	0.81	0.81	0.81	0.81	0.81	2	1.18	1.18	0.28	61.40	65.94
	Subornakhaty	0.23	0.23	0.23	0.23	0.23	0.23	0.23	1	0.23	0.46	NH	78.55	70.13
Durgapore	Dewanganj	0.74	0.74	0.74	0.74	0.74	0.74	0.74	1	0.74	1.16	?	44.87	?
	0.10	0.10	0.10	0.10	0.10	0.10	0.10	3	0.63	1.59	?	?	?	
	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1	0.29	0.60	?	62.80	?	
	0.29	0.29	0.29	0.29	0.29	0.29	0.29	1	0.29	0.60	?	62.80	?	
	0.29	0.29	0.29	0.29	0.29	0.29	0.29	1	0.29	0.60	?	62.80	?	
Pubna	Pubna	0.12	0.12	0.12	0.12	0.12	0.12	0.12	2	0.45	0.97	0.19	61.50	54.35
	Beraigunge	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1	0.75	1.29	0.24	67.31	62.56
	Sherpore	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1	0.50	1.30	0.21	63.63	67.98
	Nowkhilla	0.18	0.18	0.18	0.18	0.18	0.18	0.18	1	0.18	1.12	0.23	62.05	61.66
	Bogra	0.64	0.64	0.64	0.64	0.64	0.64	0.64	1	0.64	1.18	0.24	60.18	60.74
Panchbibi	Panchbibi	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1	0.50	1.11	0.16	71.61	54.84
	Bauleah	0.24	0.24	0.24	0.24	0.24	0.24	0.24	2	0.62	1.20	0.30	61.98	62.36
	Natore	0.53	0.53	0.53	0.53	0.53	0.53	0.53	1	0.53	1.78	0.37	67.51	66.18
	Nowkong	0.28	0.28	0.28	0.28	0.28	0.28	0.28	2	1.05	1.83	?	70.02	?
	Lalpara	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1	1.05	2.11	?	61.91	?
Manda	Manda	0.71	0.71	0.71	0.71	0.71	0.71	0.71	1	0.71	0.87	?	50.98	?
	Maldah	0.45	0.45	0.45	0.45	0.45	0.45	0.45	2	1.02	1.12	0.22	72.52	60.20
	Chitochal	1.32	1.32	1.32	1.32	1.32	1.32	1.32	2	1.32	1.40	0.32	53.12	58.55
	Gajol	0.96	0.96	0.96	0.96	0.96	0.96	0.96	1	0.96	1.32	?	67.84	?
	Sibganj	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1	0.90	2.37	?	65.92	?
Dinagore	Nohadepore	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1	0.90	1.91	0.06	78.38	66.15
	Churamon	1.83	1.83	1.83	1.83	1.83	1.83	1.83	2	1.83	1.96	0.08	60.50	60.45
	Raigunge	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2	2.10	2.15	0.23	90.52	83.26
	Dinagore	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1	1.41	1.41	0.21	72.77	61.79
	Baloorkhat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	2	1.90	1.43	NH	62.12	47.37
Rungpore	Bhawani	0.38	0.38	0.38	0.38	0.38	0.38	0.38	1	0.38	0.98	0.21	65.21	61.37
	Bhawani (Gyabanda)	0.95	0.95	0.95	0.95	0.95	0.95	0.95	1	0.95	2.54	0.17	71.79	74.22
	Rungpore	0.62	0.62	0.62	0.62	0.62	0.62	0.62	1	0.62	1.34	0.26	80.62	73.10
	Kurigram	1.32	1.32	1.32	1.32	1.32	1.32	1.32	2	1.36	2.75	0.12	82.20	84.00
	Bagdoura	0.43	0.43	0.43	0.43	0.43	0.43	0.43	2	0.53	1.08	?	72.71	?
Julpigore	(Niphomari)	0.43	0.43	0.43	0.43	0.43	0.43	0.43	2	0.53	1.08	?	72.71	?
	Ulepora	0.43	0.43	0.43	0.43	0.43	0.43	0.43	2	0.53	1.08	?	72.71	?
	Julpigore	1.74	1.74	1.74	1.74	1.74	1.74	1.74	2	1.92	1.92	0.16	127.83	115.31
	Alipore	0.23	0.23	0.23	0.23	0.23	0.23	0.23	2	1.57	1.57	?	137.16	?
	Doar	1.15	1.15	1.15	1.15	1.15	1.15	1.15	2	1.12	1.23	?	98.36	?
Gooch Behar..	Falacotta	1.35	1.35	1.35	1.35	1.35	1.35	1.35	2	1.42	1.70	?	?	?
	Debiganj	1.35	1.35	1.35	1.35	1.35	1.35	1.35	2	1.45	1.70	?	?	?
	Dumtata	1.12	1.12	1.12	1.12	1.12	1.12	1.12	2	1.17	1.49	0.19	82.39	95.59
	Cooch Behar.	1.20	1.20	1.20	1.20	1.20	1.20	1.20	2	1.30	1.45	0.15	108.11	114.66
	Mickligunge	1.27	1.27	1.27	1.27	1.27	1.27	1.27	2	1.43	1.43	0.14	115.67	104.83
Darjeeling Hill.	Matlabhanga	1.31	1.31	1.31	1.31	1.31	1.31	1.31	2	1.34	1.49	0.07	114.45	116.97
	0.34	0.34	0.34	0.34	0.34	0.34	0.34	4	2.25	4.28	0.50	228.18	141.67	
	Siliguri	1.52	1.52	1.52	1.52	1.52	1.52	1.52	2	1.92	1.99	0.13	140.82	87.29
	Darjeeling	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2	1.02	1.09	0.05	105.08	105.08
	Kalimpong	0.03	0.03	0.03	0.03	0.03	0.03	0.03	4	2.60	2.74	0.10	79.60	79.74
Purneah	Kisengunge..	2.02	2.02	2.02	2.02	2.02	2.02	2.02	1	2.02	3.20	0.19	86.77	86.77
	Arraah	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2	2.34	2.54	0.16	91.46	91.46
	Purneah	0.04	0.04	0.04	0.04	0.04	0.04	0.04	2	2.34	2.55	?	?	?
	Gondwara	2.25	2.25	2.25	2.25	2.25	2.25	2.25	1	2.25	2.55	?	?	?
	Balarampore..	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1	1.90	1.81	?	?	?
North Bhag-i-pore.	Matari	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1	1.78	1.98	?	70.82	?
	Kaliaganj	1.42	1.42	1.42	1.42	1.								

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 21st of January 1887—concluded.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May, 1886.	Average rain-fall from 15th May to date.
			Sunday, 15th January.	Sunday, 16th January.	Monday, 17th January.	Tuesday, 18th January.	Wednesday, 19th January.	Thursday, 20th January.	Friday, 21st January.	Number of rainy days.	Rainfall week.				
NORTH BEHAR—concluded.	Barrid	Gopalgunge	...	...	...	...	...	1.11	0.47	...	1.58	1.80	0.07	50.95	...
		Sowah	...	...	...	...	...	1.16	0.15	...	1.31	1.53	0.45	50.91	...
SOUTH BEHAR	Shahabad	Chaurah	...	...	...	...	...	0.09	...	...	1.25	1.86	0.20	50.92	...
		Buzar	...	...	...	...	...	0.18	0.04	...	1.12	1.78	0.51	49.88	...
		Dehree	...	...	...	...	...	0.85	...	...	1.26	1.56	...	51.05	...
		Rhubonah	...	...	...	...	...	0.30	0.50	...	0.80	1.27	0.42	53.06	...
		Nasseram	...	...	...	...	...	0.40	...	...	0.40	1.16	0.26	53.47	...
		Arrah	...	...	...	...	...	0.30	0.05	...	0.95	1.50	0.30	53.24	...
		Mohanis	...	...	...	...	...	0.10	0.13	...	0.23	0.63	...	28.30	...
		Aurangabad	...	...	...	...	...	0.37	...	...	0.37	1.59	0.30	50.84	...
		Gya	...	...	...	...	...	0.02	0.30	0.01	0.42	1.56	0.35	50.98	...
		Nowadah	...	...	...	...	...	0.07	1.05	...	1.12	1.75	0.30	50.33	...
		Jehanabad	...	...	...	...	...	0.27	0.74	...	1.05	1.63	0.37	50.69	...
		Arwal	...	...	...	...	...	0.25	0.81	...	1.06	1.61	...	54.18	...
		Daudnagar	...	...	...	...	...	0.57	...	...	0.57	0.95	...	54.16	...
		Sherghati	...	...	...	...	...	1.36	0.14	...	1.50	2.40	...	60.25	...
		Rajauli	...	...	...	...	...	1.00	0.20	...	1.20	2.50	...	...	...
		Pakri Barawan	...	...	...	...	...	1.11	...	...	1.11	2.01	...	50.63	...
		Patna	...	...	...	...	...	0.12	0.82	...	0.94	1.45	0.32	50.08	...
		Dinapore	...	...	...	...	...	0.16	0.95	...	1.11	2.05	0.35	71.80	...
		Behar	...	...	...	...	...	0.43	1.40	...	1.83	3.04	0.27	55.91	...
		Barh	...	...	...	...	...	0.65	0.80	...	0.85	1.55	0.22	51.23	...
		Rickram	...	...	...	...	...	0.50	0.20	...	0.70	1.00	...	...	...
		Hilsa	...	...	...	...	...	0.10	0.05	...	0.95	1.55	...	...	...
	Munshyr	Begowah	...	...	...	...	...	2.05	...	...	2.05	3.00	0.18	52.42	...
		Munshyr	...	...	...	...	...	2.12	...	...	2.12	2.87	0.18	50.87	...
		Jamui	...	...	...	...	...	0.04	1.03	...	1.07	2.39	0.25	50.89	...
		Gopri	...	...	...	...	...	2.64	...	...	2.64	3.15	...	55.01	...
		Sheikpura	...	...	...	...	...	0.13	0.85	...	1.00	1.80	...	53.16	...
		Bhagulpore	...	...	...	...	...	1.82	...	...	1.82	2.23	0.18	54.83	...
	South Bhaul pore.	Banks	...	...	...	...	...	1.47	...	...	1.47	1.76	0.27	50.44	...
		Kolgaug	...	...	...	...	...	1.63	0.20	...	1.83	2.03	...	52.08	...
	Sonthal Per-guniaks.	Rajmahal	...	...	...	...	...	0.83	...	...	0.83	1.12	0.01	50.40	...
		Godda	...	...	...	...	...	1.01	...	...	1.01	1.63	0.13	55.33	...
		Pakour	...	...	...	...	...	0.79	0.13	...	0.92	1.45	0.09	55.01	...
		Nya Doomba	...	...	...	...	...	0.08	0.31	...	1.29	1.93	0.41	71.07	...
		Deognur	...	...	...	...	...	0.88	...	...	0.88	1.28	0.21	61.34	...
		Jamui	...	...	...	...	...	0.94	0.96	...	1.90	2.57	0.15	58.30	...
		Simra	...	...	...	...	...	1.80	...	...	1.80	2.06	...	50.94	...
		Namhat	...	...	...	...	...	1.40	...	...	1.40	2.64	...	...	...
CENTRAL NAG-PUR.	Hazaribagh	Pachamba	...	...	...	...	...	0.50	...	...	0.50	1.05	0.19	60.30	...
		(Girdi)	...	...	...	...	...	0.25	0.72	0.10	1.07	2.60	0.20	56.65	...
		Hazaribagh	...	...	...	...	...	1.00	...	...	1.00	2.13	0.04	53.94	...
		Semragan	...	...	...	...	...	...	...	...	...	...	0.13	...	...
		Nanugai Hills	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jhoomrah Hills	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barhi	...	...	...	...	...	0.10	0.25	...	0.60	1.70	Nil	52.80	...
		Chatra	...	...	...	...	...	...	...	...	...	...	...	...	...
		Karagdeha	...	...	...	...	...	...	...	...	...	...	...	...	...
		Namghar	...	...	...	...	...	1.79	0.08	...	1.97	2.91	...	55.09	...
	Lohardugga	Lohardugga	...	...	...	...	...	1.15	0.31	...	1.56	2.70	...	60.90	...
		Kanchi	...	...	...	...	...	0.70	0.55	...	1.25	2.19	0.22	54.03	...
		Palamow	...	...	...	...	...	0.84	0.30	...	1.18	4.10	0.23	51.23	...
		Silli	...	...	...	...	...	0.30	...	...	0.30	0.37	...	40.71	...
		Baiumat	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hosainabad	...	...	...	...	...	0.04	...	...	0.04	1.23	...	...	...
		Warrah	...	...	...	...	...	0.60	0.10	...	0.70	4.11	...	54.23	...
	Mingbhoon	Chyotmasa	...	...	...	...	...	...	0.18	...	0.18	0.31	0.37	43.81	...
		Chakradhar-pore.	...	...	...	...	...	...	0.19	...	0.22	0.85	...	57.03	...
		Chakradhar	...	...	...	...	...	...	...	...	...	...	...	...	...
		Baharagura	...	...	...	...	...	0.52	1.02	...	1.54	1.79	...	50.59	...
	Manbhoon	Parulia	...	...	...	...	...	0.16	0.25	...	0.41	1.10	0.16	50.79	...
		Robinsopore	...	...	...	...	...	0.80	0.12	...	0.92	1.37	0.30	49.80	...
		Kaphunath-pore.	...	...	...	...	...	0.03	0.03	...	0.66	1.26	...	61.80	...
		Barrabhoon	...	...	...	...	...	...	0.50	...	0.55	0.90	...	57.55	...
		Jhulda	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chas	...	...	...	...	...	...	1.54	...	2.03	2.03	...	50.05	...

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 18th January 1887.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 21ST OF JANUARY 1887.

The chief feature of the meteorology of the past week in Northern India was the formation of a cold-weather depression and disturbance, the third during the present month. The storm was one of the largest and most remarkable of its class of recent years. A similar storm of nearly equal intensity occurred in January 1877. The present storm appears to have originated in the Punjab on Monday evening or Tuesday morning, commencing as a slight depression, which increased in amount, until the barometer in that area was about half an inch below its normal height. It gave a large and rapid fall of the barometer to the whole of India; but the decrease of pressure was greatest along the line of march of the central depression. The centre was in the eastern districts of the North-Western Provinces on Thursday morning, and passed through Central Behar into Bengal on Friday morning, when the depression and cyclonic movement of the air were less clearly defined than on the previous day. The general character of the weather was, however, unchanged in Bengal. Skies were overcast, and rain fell over the greater part of the Province. The central depression was more marked on Saturday morning, when it was in East Bengal over the mouth of the Megna. The wind directions at the Bengal stations showed at that time distinct convergence of the air to the centre. The depression either filled up or passed eastwards into Burmah during the day. Weather rapidly improved, and on Saturday evening fine clear weather was established again over the Province.

Skies began to cloud over in the western districts of the Province on Wednesday morning. Cloud formation extended rapidly eastwards, and on Thursday skies were densely clouded or overcast throughout the Province. Rain commenced to fall in the northern and western districts of Behar on Wednesday. General and heavy rain fell on Thursday over the whole of Behar and North Bengal, and the greater part of Chutia Nagpur. The amounts recorded at different stations varied between one inch and two-and-a-half inches. The rainfall was distributed with unusual uniformity over that area, and averaged about an inch for the whole of Behar and North Bengal on the 20th. A few showers were received on that day in other districts, chiefly in the western districts of South-West Bengal. The rainfall of the next day (21st) was most general and largest in amount in South-West and East Bengal, which received an average of nearly half an inch on that day. Showers, more or less local in character, also fell in other districts, more especially in the neighbourhood of the hills in North Behar and Bengal. The rainfall accompanying the march of the depression appears to have been heaviest and most general to the north and north-east of the central depression. The only division in which the rainfall of the week was practically nil is Orissa. North Behar received an average of 1.6 inches, South Behar 1.20 inches, North Bengal 1.1 inches, Chutia Nagpur .50 inch, South-West Bengal .52 inch, and East Bengal .45 inch. The normal rainfall of the week in each of these divisions is less than the tenth of an inch. Hence the abnormal character of the storm and accompanying rainfall may be estimated.

Pressure increased rapidly on Saturday after the disappearance of the second cold-weather disturbance of the month. It commenced to decrease on Sunday afternoon and fell rapidly for some days, through amounts averaging two-tenths of an inch, until Thursday morning in Behar, and until Friday or Saturday morning in East Bengal. The mean pressure of the week is hence very considerably below the normal. The deficiency slightly exceeded a tenth of an inch, except in Eastern and Central Bengal. It was (probably) absolutely greatest at Darjeeling (.156"), and least at Dacca (.074").

Temperature, as usual, decreased rapidly after the disappearance of the second storm of the month. As soon as the large depression of the present week began to influence the weather in Bengal, and give clouded skies, and increased humidity of the air, temperature increased rapidly. The effect of the disturbances of the week has been to give a mean maximum day temperature from 2° to 7° below the average in Bengal, Behar, and Chutia Nagpur, and a mean minimum night temperature slightly above the normal, except in Chutia Nagpur and at Darjeeling. The following table gives data for eight representative stations:—

Table showing the excess or defect of the actual temperature from the normal for the week ending 21st January 1887.

	Normal mean maximum temperature for the week ending 21st January 1887.	Actual mean maximum temperature for the week ending 21st January 1887.	Variation of actual from normal.	Normal mean minimum temperature for the week ending 21st January 1887.	Actual mean minimum temperature for the week ending 21st January 1887.	Variation of actual from normal.	Normal mean daily temperature for the week ending 21st January 1887.	Actual mean daily temperature for the week ending 21st January 1887.	Variation of actual from normal.
Cuttack	84.3	84.3	0	60.9	59.3	-1.4	72.7	72.0	-0.7
Calcutta	87.3	71.3	-16	55.8	55.9	+0.1	66.6	65.7	-0.9
Burdwan	78.4	77.0	-1.4	54.3	54.3	+0.0	66.4	66.7	+0.3
Dacca	78.4	70.1	-8.3	54.1	54.1	0	66.8	65.1	-1.7
Purneah	76.6	64.2	-12.4	48.3	50.4	+2.1	62.0	59.6	-2.4
Bankipore	73.5	64.7	-8.8	50.0	51.3	+1.3	61.7	60.1	-1.6
Hazaribagh	73.8	64.2	-9.6	51.1	49.3	-1.8	62.2	58.9	-3.3
Darjeeling	46.0	41.8	-4.2	35.9	32.3	-3.6	41.0	39.7	-1.3

The general character of the distribution of the rainfall of the week has been already noticed. The Purneah district received an average slightly exceeding two inches. The following districts received averages varying between two and one-and-a-half inches:—Darjeeling, Bhagulpore, Durbhunga; and the following districts amounts between one-and-a-half inches and one inch:—Dinagopore, Julpigoree, Saran, Mozufferpore, Motihari, Maldah, Patna, Sonthal Pergunnahs, Moorshedabad, and Beerbhoom.

North Bengal, Chutia Nagpur and Behar have received, since the first of the month, average amounts ranging from one-and-a-half inches to two inches. South-West Bengal and East Bengal very nearly an inch, and Orissa only a tenth of an inch.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 21st of January 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.							
	Highest observed during week.		Lowest observed during week.		Averages for week.		Of week.		Rainy days.		Since 1st of month.		Since 15th May 1886.	
	(Of highest of each day.		(Of lowest of each day.		(Of mean for each day.		Average.		Average number in week.		Average.		Average.	
	Average mean of week above or below normal mean of week.		Average.		Normal average.		Variation.		Variation.		Variation.		Variation.	
Orissa	80.9	53.5	50.9	61.5	71.3	+0.4	0.10	0.04	+0.06	0.3	0.1	+0.2	0.18	0.15
South-West Bengal	83.3	47.1	76.1	55.1	65.0	-1.2	0.62	0.04	+0.48	1.2	0.3	+1.0	0.90	0.22
East Bengal	81.6	46.0	74.5	52.6	63.0	-1.1	0.45	0.09	+0.36	1.0	0.2	+0.8	0.97	0.30
North Bengal	77.2	44.8	71.5	51.1	61.3	—	1.10	0.05	+1.05	1.6	0.3	+1.4	1.56	0.19
North Behar	78.2	43.7	68.3	50.9	59.0	-1.9	1.90	0.06	+1.84	2.1	0.2	+1.9	1.98	0.27
South Behar	75.5	43.4	69.1	52.0	60.6	-1.4	1.20	0.06	+1.14	1.6	1.3	+1.3	1.85	0.32
Chutia Nagpur	76.3	43.5	69.0	49.5	59.3	-3.3	0.70	0.05	+0.75	1.7	0.3	+1.4	1.64	0.18

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 25th January 1887.

JOHN ELIOT,
Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 16th to 22nd January 1887.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Ran. c.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1887.		"	"	"	"	"	Inches.	"	%	Inches.
January	16th	65.8	74.7	20.8	57.9	60.5	.468	56.5	70	...
"	17th	63.2	74.7	20.8	53.9	57.4	.397	52.6	68	...
"	18th	63.3	74.4	21.1	58.3	56.7	.375	51.0	65	...
"	19th	65.0	78.9	26.0	52.9	60.4	.466	57.0	75	...
"	20th	68.2	79.9	22.2	57.7	63.5	.525	60.3	76	...
"	21st	63.7	74.7	21.1	60.0	62.2	.541	61.2	92	0.15
"	22nd	62.3	69.9	11.8	58.1	58.3	.435	55.1	77	0.12

The mean temperature of the seven days ... 64.5
The extreme variation of temperature ... 27.0
The maximum temperature ... 79.9
The mean relative humidity ... 75
The total fall of rain from 16th to 22nd January 1887 ... 0.25

The mean temperature and humidity are obtained by applying to the mean of the 10a, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 24th January 1887.

HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of India.